MACKENZIE VALLEY PIPELINE INQUIRY

IN THE MATTER OF THE APPLICATIONS BY EACH OF

- (a) CANADIAN ARCTIC GAS PIPELINE LIMITED FOR A RIGHT-OF-WAY THAT MIGHT BE GRANTED ACROSS CROWN LANDS WITHIN THE YUKON TERRITORY AND THE NORTHWEST TERRITORIES, and
- (b) FOOTHILLS PIPE LINES LTD. FOR A RIGHT-OF-WAY THAT MIGHT BE GRANTED ACROSS CROWN LANDS WITHIN THE NORTHWEST TERRITORIES FOR THE PURPOSE OF A PROPOSED MACKENZIE VALLEY PIPELINE

and

IN THE MATTER OF THE SOCIAL, ENVIRONMENTAL AND ECONOMIC IMPACT REGIONALLY OF THE CONSTRUCTION, OPERATION AND SUBSEQUENT ABANDONMENT OF THE ABOVE PROPOSED PIPELINE

(Before the Honourable Mr. Justice Berger, Commissioner)

Ottawa, Ontario June 4, 1976

PROCEEDINGS AT COMMUNITY HEARING

Volume 65

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Resources Committee

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Indian Brotherhood, and Metis Association of the Northwest Territories.

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29 30 Ottawa, Ontario June 4, 1976.

(PROCEEDINGS RESUMED PURSUANT TO ADJOURNMENT)

THE COMMISSIONER: Well, ladies and gentlemen, the Mackenzie Valley Pipeline Inquiry is holding a series of hearings in the main urban centres in Southern Canada because we have had a multitude of requests from people like yourselves for an opportunity to be heard on these fundamental questions of national policy.

The Inquiry began on March 3rd last year and has spent 14 months holding hearings in Northern Canada, in the Northwest Territories and The Inquiry decided that we should spend a month holding hearings in the main centres of Southern Canada to hear what you had to say because it is, after all, the appetite of people who live in southern Canada for oil and gas, the patterns energy consumption developed in southern Canada in the main urban and industrial centres that has given rise to proposals to establish a gas pipeline from the Arctic.

The job of this Inquiry is to determine the social, environmental and economic impact in the Northwest Territories and the Yukon of the construction of a gas pipeline, Our mandate is to consider not only the construction of a gas pipeline but to proceed on the assumption that an oil pipeline will follow a gas pipeline. So we are examining the impact on northern Canada of the construction of a gas pipeline and

the establishment of an energy corridor bringing gas and 1 oil from the Arctic to the mid-continent. 2 3 There are two companies that want to build this pipeline. They are competing for 4 the right to build that pipeline. One is Arctic Gas, 5 which proposes to bring gas from Prudhoe Bay across the 6 North Coast to the Yukon, across the Mackenzie Delta 7 and there it would join the pipeline bringing gas from 8 the Mackenzie Delta and the main trunk pipeline would 9 go along the route to the Mackenzie River to Alberta 10 and to Southern Canada. ad the United States. 11 The other company, Foothills 12 Pipe Lines, proposes to build a line that would bring 13 gas from the Mackenzie Delta, Canadian gas from the 14 delta along the Mackenzie River to markets in Southern 15 Canada. 16 17 The National Energy Board is holding hearings that are dealing with the question 18 "How much gas is there in the Mackenzie Delta?" 19 "What are the reserves in the Canadian north?" 20 "How much gas does Canada require in the years that lie 21 22 ahead?" "Have we the capacity to export any gas?" 23 These are questions that the National Energy Board has 24 to determine and then the Government of Canada, elected 25 to make these decisions, will have the report of this 26 Inquiry before it, which will tell it what the impact 27 will be in Northern Canada if we proceed with a gas 28 pipeline and energy corridor. There will be, the 29

report of the National Energy Board dealing with gas

supply and gas requirements, and then the Government of 1 Canada, with those two reports before it, will have to 2 weigh the impact on the frontier, the impact on the 3 north, and Canada's requirements for gas, and then they 4 will lave to decide. 5 The job of this Inquiry is to 6 gather the evidence from the facts to enable the 7 Government of Canada to make an informed judgment on 8 these questions, and to prescribe terms and conditions 9 under which a gas pipeline should be built, if one is 10 The question whether one should be built, 11 if it is to be built, who, should build it, when it 12 should be built and where it should be built. 13 are questions that ultimately are for the Government of 14 Canada to determine', the people elected to govern the 15 country will in the final analysis have to make these 16 17 choices. I should say that this is a 18 smaller room than we had yesterday and I apologize for 19 There is a room next door, I am informed, where 20 there is closed circuit television of the proceedings 21 22 in this room, and if you would like to sit down and you don't have room here, just go next door and you can 23 observe all of this on television. That, of course, 24 means that it 'will appear even more real than it 25 is in fact; that will make the whole proceeding 26 authentic. 27 So I'll ask Mr. Roland to 28 29 outline our procedure this morning.

MR. ROLAND: Yes sir.

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words on procedure. Prior to coming to southern Canada the Inquiry published an advertisement setting out its hearing dates in a number of newspapers including newspapers in Ottawa. In that advertisement persons who wished to make submissions were invited to write or telephone the Inquiry office in Ottawa by May 1st, indicating their desire to do so.

This request was made so that the Inquiry would be able to gauge the time required in Southern Canada to hear submissions so that our timetable in each community could be carefully mapped. Persons who responded in writing or by telephone to our advertisement were given appointments to make submissions before you, and it is a process that we are carrying on today.

I wish to emphasize that any other person or organization who did hot respond to our advertisement by May 1st, but wishes to make a submission is entitled and encouraged to do so. This may be done in one of two ways. A submission in writing may be made any time by writing to the Mackenzie Valley Pipeline Inquiry, Yellowknife, Northwest' Territories. There is no necessity that a written submission meet any particular formal requirements. A simple letter setting out the matters that you, want to bring to the Inquiry's attention will be quite satisfactory. persons who did not respond to the advertisement that wish to make an oral submission at: this hearing, it would be much appreciated if they would speak to Mr. Waddell who is seated on my left, as

soon as possible and an effort will be made to provide 1 a time for you to make your submission within the 2 existing agenda. However, I should point out our 3 agenda is quite full so that we may not be able to 4 accommodate many of those who wish to speak. 5 I should add that in order to 6 encourage informality, counsel for the two applicants 7 and the participants have agreed that there will be no 8 cross-examination of those making submissions unless it 9 is specifically requested. In place of cross-10 examination counsel for each of the applicants and each 11 of the participants will be allowed, at the conclusion 12 of this session this morning, to make a statement not 13 exceeding ten minutes, about the submissions that have 14 been heard during this morning's session. 15 16 You will notice that the 17 persons making submissions are asked to give their oath or to affirm. This is a practice that the Inquiry has 18 followed, not only at the formal hearings in 19 Yellowknife, but at the community, hearings in 20 each of the 28 communities in the Mackenzie Valley and 21 22 delta. 23 The purpose of the oath or affirmation is recognition of the importance' of the 24 work in which the Inquiry is engaged 80 that conclude 25 my opening remarks on the procedure, and Mr. Waddell 26 will call the first witness. 27 MR. WADDELL: Mr. 28 Commissioner, the first witness or the first brief is 29 from the Science Council of Canada, the Committee on 30

Northern Development, and the brief will include Mr. 1 John Shepherd and Mr. Roger Voyer. 2 3 JOHN SHEPHERD Sworn: 4 5 ROGER VOYER sworn: 6 WITNESS SHEPHERD: Thank 7 you, Mr. Berger, for this opportunity that you've given to the Science Council of Canada to address the 8 Inquiry. My colleague, Dr. Voyer, is a director of 9 research at the Council. The Science Council of 10 Canada has been, of its several major projects, has 11 as perhaps its most comprehensive and analytic effort 12 proceeding at the moment is a study of six northern 13 development projects, of which the Mackenzie Valley 14 Pipeline is one. That project has been continuing 15 for about two years now and will be completed towards 16 the end of this year. It includes not only a study 17 of the project itself, but an analysis of the method 18 of assessment of the project as conducted by this 19 Inquiry and we have spoken publicly to that issue on 20 21 previous occasions. 22 The presentation that we will 23 The first is a statement on present is in two parts. behalf of Dr. Gauvin, who unfortunately could not be 24 here. He is the chairman of the Committee on Northern 25 Development and wished to present his own personal 26 views even prior to the Council adopting its own 27 position, and that statement will be read by Dr. Voyer, 28 and it will be followed by a very short and perfunctory 29 set of remarks by myself, which also reflect my own

personal views. So with that I'll introduce Dr. 1 2 Voyer. 3 WITNESS VOYER: Thank you, Mr. Shepherd. 4 5 Mr. Berger, the purpose of 6 our brief statement is to acquaint you with some of the activities of the Science Council Committee on Northern 7 Development, as well as to make some observations which 8 may be of use to you in writing your report. We have 9 been engaged for some time in trying to understand what 10 northern development is and how decisions are made 11 which affect northern development. This will enable us 12 to better discharge our obligations to the people of 13 Canada, to recommend ways in which science and 14 technology can best be used for the development of the 15 16 north. We think that an Inquiry of 17 the kind that you are presently conducting is vitally 18 important, We see it as enhancing the chances for the 19 most intelligent use of our scientific and 20 technological knowledge of the north. We commend you 21 22 for the open and balanced procedures which you have employed, and think means must be found to continue the 23 24 process you have started. For the record, the Science 25 Council of Canada is a small (\$2 million annual in 26 budget) independent Crown corporation whose mandate is 27 to assess Canada's scientific and technological 28 resources, requirements and potentialities. Although 29 the report, through the minister of Science &

Technology we have a mandate which affords a wide 1 2 degree of latitude and we operate increasingly in a national and public mode. We have published reports 3 and background studies in many areas -- energy, 4 technology transport, and government laboratories and 5 health care delivery are some of our, relatively 6 recent reports. We also publish background studies 7 which are signed by the authors who were commissioned 8 to do the back-ground work. Of interest to this 9 Inquiry are the following: 10 Background study No. 17 is "Survey of Canadian 11 Activity in Transportation R & D. Firm, Background." 12 Study No. 22, "The multinational Foreign Direct 13 Investment and Canadian Science Policy." 14 Background study No. 27, "Essays on Aspects of 15 16 Resource Policy." Background study No. 30 "A Technology Assessment 17 System, a Case Study of East Coast Offshore Petroleum 18 19 Exploration, " Most recently we have 20 21 published two background studies related to our own 22 northern development study: 23 No. 36, "The Political Economy of Northern 24 Development" and No. 34, " A Case Study of Technology Assessment 25 System in the Mackenzie Delta-Beaufort Sea area." 26 27 We have copies of these 28 report which we will give to you. 29 30 I also have an internal staff

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paper which excerpts previous Science Council recommendations on northern development. These may also be of interest.

The Science Council study on northern development initially combined the Council's interest in northern resource' development and the interest of two staff members in the notion of technology assessment. This had the happy consequence of leading us to take the novel approach with respect to scientific and technological requirements for the north, an approach which emphasizes the context in which decisions are made. That is to say we took a rather broad view of what a good technology assessment system should comprise. We have used the definition which follows:

"A technology assessment system comprises those social groups which are or should be, concerned with developing a given technological program."

That is to say we are interested in broadening participation in the assessment of technological programs to parties not normally involved in the process. In the case of the east coast offshore oil, this included the fishing, mining, forestry, agriculture, industries as well as organized labor. We decided to continue this approach for the study on northern development. We therefore commissioned a number of cast studies on various proposed or actual projects including the Mackenzie Valley Pipeline, the authors were asked to identify the parties involved to determine the inter play between the parties (or actors, as we used to call them)

to describe the information bases available to. 1 different actors and to report on the timing of each 2 project and the possible alternatives. It was hoped that 3 such an approach would lead to the identification of 4 possible blind spots in the information base of 5 institutional problems and of requirements for common 6 7 services such as transportation, communications and health care. 8 The following policy question 9 could be raised: 10 11 (a) Are all, interested parties represented in the 12 decision-making process? What are the relative weights 13 given to the actors? 14 (b) Is the information base adequate for decision 15 making? If not, what new programs must be started in 16 the very near future? 17 (c) Is the present technology adequate? If' not, what 18 new technology is required? Should Canadians enter into 19 these new technological areas? 20 (d) Should an industrial infrastructure be developed at 21 22 certain sites in the north? If so, how should these be brought about? 23 (e) How will northerners participate? 24 (f) What are the manpower requirements? What training 25 programs are required? 26 (g) How much government participation is required to 27 support northern development projects? At what cost? 28 l (h) Are there any jurisdictional problems? What new 29 institutional arrangements are required? 30

(i) What R&D priorities emerge in view of the timing of various projects?

(j) Do alternative strategies exist to reach stated goals? If so, are they adequately considered?

As you can see, we were interested in some of the very same questions which you are addressing. The issues raised by the case studies are summarized in the discussion paper on northern development, which we have written. I have copies of these documents here, along with the documents referred to earlier, which we would like to present to your Inquiry.

This paper deals briefly with a number of issues, but I would like to emphasize two of them here because they relate so directly to the Inquiry you are conducting.

First of all, our case studies indicate that a rapid pace of development tends to leave peripheral actors, that is to say natives and local residents, out of the decision making system. It means also that assessments of social and environmental impacts tend to come after rather than to precede decisions to proceed with projects. This was the case with both the James Bay and the Syncrude project for example; the Mackenzie Valley Pipeline at least has the possibility that social and environmental considerations may bear some weight in the go, no-go decision. I say "possibility" because I am well aware that your terms of reference have nothing to do with recommending a go, no-go decision. We feel that your

Inquiry has been somewhat hampered by this limitation and even more hampered by its limitation to what is effectively a single proposal for a gas pipeline. A more comprehensive technology assessment would have involved a more open consideration of alternative transportation technologies.

Our case studies all emphasize hat the question of balance between. the various participants in the project proposals, including those likely to be affected directly by the proposal was an extremely important issue. The authors of our case study on the Mackenzie Delta observed that:

"The system seems disproportionately weighted in favor of Federal Government and industry participation."

While this may frequently be the case, we are at least encouraged by the very positive steps you have taken in your Inquiry to attempt to ensure that there is some reasonable semblance of balance between the various groups' interest in the proposal. It is for this reason that we commend your decisions to fund intervener groups, as well as your decision to allow them a reasonable amount of time to prepare their case. We are impressed also by the community hearings you have held. We believe that consensus is very important to the proper functioning of a democracy, and that your Inquiry is a superb method of determining for the politicians what is likely to be acceptable to northerners.

Another issue which emerged

from our case studies concerns information. Society 1 needs accurate information to function properly. 2 Information has, in fact, become so valuable that it is 3 now literally a medium of exchange. it, is no wonder 4 that those with economic or political stakes in the 5 outcome feel their interests threatened by proposals 6 for more open sharing of information. 7 discussion paper we report our concern with this 8 frustrating tendency. We are therefore pleased that 9 your Inquiry has been able to bring a great deal of 10 information into a more accessible forum. 11 However, the problem persists. 12 We also expressed concern in 13 our "Discussion Paper" about. the uses and views taken 14 of information. Basically the problem is that everyone 15 collects and interprets information in his own 16 perspective, or from' the perspective of his employers. 17 The problem has no doubt surfaced in each phase of your 18 Information has no doubt been presented 19 selectively to you, so as to best support the case of 20 an applicant or an intervener. The question might be 21 22 asked: Is this an appropriate way to pursue objective 23 scientific truth?. The question of frost heave, 24 for instance, still seems unsettled, despite many 25 hours of testimony. The answer is that science often 26 does not have definitive answers to difficult and 27 complex environmental and social questions, no matter 28 l how learned the expert scientists may be. 29 obviously has been brought out in your Inquiry.

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would be simpler if the scientific evidence on. given subject were always clear, but the. fact is that scientists often are asked to predict the actions of very complex systems on very limited data. so by using their judgment and intuition as well as their scientific knowledge and skills, and it is no wonder that there are differences of opinion. problem is most serious when it comes to, assessing the risk or probability of an undesirable event, Even if scientists agree that the likelihood of an event is only one in 1,000, they are not necessarily likely to agree that the probability of the event is too high to take the risky or too low to proceed as planned. can only suggest to you that if risks are taken, that at least they be taken consciously and with full knowledge of the consequences, if they should occur. As a general principle, we feel that it is not fair to expect one party to take the risks and another to take the consequences, if at the same time benefits are apportioned in a different manner. The native people have legitimate reason to be In the past they have suffered more than they have benefited from developments. Risks should not fall on them any more heavily than the potential benefits which they might ultimately achieve unless these are clear, acceptable and adequate guarantees of compensation for damage which may occur. In conclusion, the Science

Council Committee on Northern Development has in some

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of its work to date argued that there is a need for open and balanced technology assessment systems. We feel that on the whole your Inquiry has come closer than anything else we are familiar with to fulfilling our notion of technology assessment.

However, to be fair, we think your terms of reference have inhibited you from going as far as might ideally have been desirable. Technology assessments should also consider alternative technologies, for example. However, by explicitly relating your Inquiry to the corridor principle, we think you have at least avoided the trap of treating the Mackenzie Valley Pipeline proposal as an isolated project. Just as some environmental interference is reversible only in the very long run, and perhaps not even then, the same is true for social and cultural interference. The principle holds for Inquiries as well. You have helped to catalyze a number of emerging trends, not in the north, but also in the field of technology assessment. It would be foolish to argue that we can ignore what we have learned or the way in which it has been learned.

Therefore we strongly urge you in your report to recommend to the government that irrespective of whether or not the 'right-of-way is granted, that means be found to ensure that similar developments in the corridor or elsewhere, as well as any necessary monitoring for the gas pipeline be subject to procedures which recognize certain basic principles of balance and open technology assessment.

In particular we think it will be necessary to have monitoring bodies which are not only broadly representative, but which regularly consult the people affected by pipeline activities. It will also be necessary to give them immediate powers and to, avoid bureaucratic situations where responsibility can be evaded. Buck-passing is in itself a form' of power, and not a very attractive one. The process you have set in motion is a healthy one and should not stop at the end of your Inquiry.

However, we also intend to invite you to consider with us ways in which it might be improved for the north and perhaps even adapted to the south. Thank you.

WITNESS SHEPERD: In the context of our northern study we have also been analyzing the opportunities for Canadians in such a program. That analysis embraces not only pipeline technologies, but also those associated with renewable resources and community development.

This study of technical gaps and opportunities in the north and for the north is yet to be completed. However, it is clearly a major concern that one of the significant pacing factors in the proposed Mackenzie Valley Pipeline project must be the maximum utilization of Canadian and Canadian—controlled technical and industrial expertise. This factor is indeed an essential element of any social and economic assessment of such projects even where they are restricted to regional considerations. In my

personal view, Canadian technical capacities and 1 Canadian controlled technologies can be made to be 2 more responsive to the needs and influences of the 3 north than can those from abroad. 4 All too frequently the tide 5 and mode and planning of such developments as this of 6 national impact and magnitude are executed with such 7 rapidity that an adequate Canadian technical base with 8 its industrial complement, cannot be or is not 9 mobilized in time to seize the local and national 10 opportunities that are generated. This kind of 11 technology base ranges from defensive and basic 12 environmental research right through to system 13 management, to engineering and to product design. 14 The absence of adequate, authoritative and publicly 15 available research clearly complicates the assessment 16 activities such as are carried out by this Inquiry. 17 The absence of Canadian 18 hardware development equally clearly reduces our 19 technical and economic potential as a nation. 20 This is even more true of the north. I won't elaborate upon 21 this point unduly. However, I feel it. to be urgently 22 necessary that in commenting upon the social impact of 23 this proposed project, we stress the need to 24 deliberately pace the project so as to allow technical 25 and commercial. capacities in government, universities 26 and Canadian companies (Canadian-owned companies) and 27 at both national and regional levels, to participate to 28 the, maximum in the 29 full range of technical tasks and opportunities 30

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involved. What we may sacrifice in time, we will undoubtedly gain in national and regional strength and The fruits of such Canadian-controlled expertise. technology include a larger measure of freedom to serve the north , to shape our own economy and to, serve our own lifestyles. This is in essence the concept of technological sovereignty which we are beginning to perceive as an essential element of national and regional development. If and where we do import, technology, and this will undoubtedly be both necessary and in some cases even desirable, we must do so under terms which maximize benefits to the region ad to all This proposed project is too large and has Canadians. too wide an impact to treat the technical and industrial opportunities lightly. We -I feel that in terms of northern lifestyle, industrial opportunity and economic future, if Canadians take the major risks, they should be in a position to seize the major opportunities. Thank you. THE COMMISSIONER: Thank you. I wonder if I could just stop for a couple of comment You've raised some fascinating questions that have occurred to me. By the way, I'm certain I've read that book with the green cover that you have before you. The question you raised, Dr. Voyer, about resolving these disputes among scientists by using the adversary method, so to speak, well, we've

tried that method. Dealing with the impact on caribou,

we had -- we spent something like six or seven weeks 1 hearing evidence of the leading authorities in North 2 America on caribou, the only people really who had 3 knowledge in depth on the subject. Much of the 4 research was done by the companies, Arctic Gas and 5 Foothills, they had financed the research. 6 7 The people from 8 universities, many of them were called as witnesses by Canadian Arctic Resources Committee, and 9 Commission counsel called a number of experts from 10 the Department of the Environment. Dr. Lent came 11 from Fairbanks. Dr. Berger came from Newfoundland. 12 I think that al the people who had written the, 13 papers, that had appeared in the journals, came 14 before us an in panels, the lawyers, buttressed by 15 the knowledge that they had obtained from their own 16 17 expert advisors, cross-examined them, and I think we probably had the most intensive symposium or 18 examination of the likely impact of industrial 19 development, upon caribou that's ever been held in 20 this country or anywhere else. 21 22 But we knew quite a lot about 23 caribou, that is the people who came before the Inquiry were prepared to speak in a way that certainly enabled 24 25 us to identify the areas of divergence of opinion and to isolate the questions that were absolutely 26 fundamental. 27 You mentioned frost heave a 28 most interesting and difficult subject, almost I'm 29 sure even in a scientific community regarded as 30

slightly esoteric, and I would think that we heard from six or seven of the perhaps the eight or nine people in the world who have actually studied the subject, and it's a problem that the Energy Board, because of its mandate, has to consider as well, and I think they are currently hearing evidence on the subject.

The limitation thee, may have been the adversary procedure, it may not have been the best procedure to use to go into that difficult and very difficult subject, but it may well be and I hope you do give some thought to this as you have already done it lay well be that the process we are engaged in, the adversary process, was limited by the state of scientific knowledge, that the scientists

In any event, when you sit here for 14 or 15 months listening to experts, you the thought goes through your head often, "Are we going about this in the best way to get the scientific truth, or at least the best way of predicting, so far as we can, what is likely to happen if we do this or if we do this, or how can we mitigate these occurrences?"

themselves were not in a position to tell us as much

with the same authority and with the same experiences

as they were able to do for instance in the case of

caribou and impact on birds and even whales.

At any rate, I hope and I understand you're holding a gathering later this month

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to take a look at the way we've gone about our work,
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   these questions I've raised relate not only to the
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   process itself but to the composition of the tribunal.
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   Should I + have been sitting with biologists,
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   engineers, sociologists, anthropologists, economists?
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   We could have had a Commission of Inquiry consisting
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    justifiably of 14 or 15 people. in various discip-
   lines because the mandate of the Inquiry is that wide.
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                              The only other comment I
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   make, is that you're quite right in saying that, our
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   terms of reference do not allow us to consider
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   alternate modes of transporting energy from the
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   Arctic, but the National Energy Board has the duty
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   cast specifically upon it of considering alternate
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   modes of transporting the gas from the Arctic and they
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   will be going into that.
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                              Anyway, I thank you very
   much for your coming, and we'll take a look at any of
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   the material that we' haven't so far' had a chance to
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   read.
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                               WITNESS SHEPHERD:
                                                  Thank
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   you.
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                              WITNESS VOYER: Thank you.
    (SUBMISSION BY SCIENCE COUNCIL OF CANADA - + SHEPHERD
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   & VOYER MARKED EXHIBIT-560)
                              (WITNESSES ASIDE)
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                              MR. WADDELL: Mr. Commissioner,
   we had one brief from yesterday left over, the Solar
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                   I said I would call them next but with my
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   Energy Brief.
   usual consistency I'm going to put them down a little bit
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farther. 1 We have two short briefs I'd 2 like to call now for you, sir. The first one is from 3 the World University Service of Canada, Mr. Jacques 4 Lapointe. I'd like to call that now. 5 JACOUES LAPOINTE sworn: 6 7 THE WITNESS: Jacques 8 Lapointe, du Service de l'université mondiale du Canada, World University Service. This is a very 9 short statement, not at all a brief, but nonetheless I 10 hope merits a lot of consideration. 11 The following statement was 12 approved for presentation to the Berger Commission at 13 its Ottawa. hearings by the National Committee for 14 World university service of Canada at its meeting in 15 Ottawa on May 30, 1976, 16 World University. 17 Service of Canada/Entraide Universitaire Mondiale du Canada a 18 a été organisée en 1939 et compte plus de 800 membres 19 dans 48 campus. Moyennant ses programmes, 1'Entraide 20 se proccupe de la pauvreté, l'oppression et la 21 discrimination à l'chelle nationale et mondiale. 22 23 On November 30, 1975, the 30t Annual Rational Assembly of WUSC expressed its 24 concern for the native peoples in Northern Canada. 25 passed the following resolution: 26 27 28 "That the National Assembly support in principle 29 the Dene land claim of native people in the 30 Northwest Territories by encouraging local com-

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mittees to become involved in positive action." What followed subsequently was a concerted clearly focused program of activities conferences, projection of films and slide/sound shows on Canada's native peoples, the selling of "Defend the North" posters, etc., activities which were held on more than 30 Canadian campuses from coast to coast. WUSC as an organization is not interested in partisan politics but has as its primary interest the survival of a peoples It is with utmost conviction that WUSC rejects the melting pot ideal which wishes to eliminate national and cultural distinctions and varieties. We believe that the basis of Canada's success and prosperity should be established on the respect and co-operation of the deeply rooted distinct traditions of life found amongst the many peoples living in this country. We as WUSC National Committee members, but foremost as Canadians, have no desire to reduce these distinctions. therefore urge the Canadian Government not to permit any large-scale development programs in the north before .a just land claim has been agreed upon for Canada's northern native people, the indigenous inhabitants of this land. Comme pays, le Canada a toujours essayé de maintenir une image d'amour pour les principes de justice, de paix et de fraternité. Aujourd'hui appliquons ses principes, qui nous sont si chers, aux peuples indigènes de notre grand nord, qui sont aussi Canadiens. National Committee of World University Service of Canada. Comité d'Administration

de l'Entraide Universitaire Mondiale du Canada. 1 2 Merci. (SUBMISSION OF WORLD UNIVERSITY SERVICE OF CANADA - J. 3 LAPOINTE MARKED EXHIBIT C-570) 4 (WITNESS ASIDE) 5 6 MR. WADDELL: Is Mrs. L. 7 Jordan here from St. John the Divine Church, Nepean? MRS. L JORDAN. sworn: 8 THE WITNESS: Mr. Justice 9 Berger, yesterday you heard from the big guns in our 10 church. Today we're just the average parishioner. 11 We are here to submit the 12 view from our parish St. John the Divine, Nepean and 13 also to reinforce the stand that the Anglican Church of 14 Canada took at General Synod in 1975. We urge that all 15 planned development in the Northern Territories be 16 halted. We strongly support the native people in their 17 efforts to obtain justice through recognition of 18 treaty, aboriginal and other rights, and through a just 19 settlement of their land claims. Until the aboriginal 20 claims are settled and negotiations on land claim 21 22 issues are initiated, without prior conditions, no development should take place. 23 24 In the last decade within our 25 parish we had imposed on us the million dollar strip --26 this is a mile of industry on the Merivale Road, and 27 along with this promises from the township of lowered 28 taxes, better facilities, etc. etc. This year our 29 taxes are rising \$160, some of us still have open

ditches, no sewage and no street lights, and we also 1 have a dreadful increase in noise and traffic. 2 feel that in a development of the magnitude of the 3 Mackenzie Valley Pipeline, it is crucial that the 4 inhabitants of that area have the deciding voice. 5 These are the people who will suffer the consequences 6 7 of the social, environmental and economic impact of such development, and they must be heard. 8 9 Thank you. (SUBMISSION BY PARISH OF ST. JOHN THE DIVINE MRS. L. 10 JORDAN - MARKED EXHIBIT C-561) 11 12 (WITNESS ASIDE) MR. WADDELL: Mr. 13 Commissioner, I notice a number of signatures to that 14 brief, and I filed it with Miss Hutchinson. 15 16 I would call upon then the 17 Solar Energy group from Ottawa -- Linda Newell presenting the brief. 18 19 20 LINDA NEWELL sworn; 21 THE WITNESS: Mr. Berger, 22 members of the Commission, ladies and gentlemen, this brief is submitted by the Ottawa Chapter of the Solar 23 Energy Society of Canada. I should like to thank you 24 first of all for the opportunity to voice our point of 25 The concern of our society is the promotion of 26 solar energy rather than the politics of northern 27 development, or for that matter the politics of energy 28 in Canada. However, the issue of northern development 29 and particularly the issue of whether the Mackenzie 30

Valley Pipeline should be built, cannot be viewed in isolation. The wider issues of energy policy in Canada need to be considered.

We understand, that the mandate. of your Commission is to examine the social, economic and environmental impact of the proposed pipeline. As a local society, we are not in a position to judge collectively whether the amount of environmental damage and pollution caused by the pipeline would be acceptable or whether the degree of social breakdown would be kept within acceptable limits.

Our position is that these decisions on what is or is not acceptable are relative and must be seen within a wider context.

In our opinion, it seems only reasonable that if the same amount of energy that can be supplied via the Mackenzie Pipeline can be provided for the same uses at a comparable cost from alternative renewable sources, and these sources are without the adverse environmental and social consequences of northern, then such alternative courses of action should be given very serious consideration.

The course of action that e advocate is the rapid development of solar energy combined with an intensive program of energy conservation. The advantages of this two-pronged approach are that there are no problems of pollution or environmental damage; and that the social consequences are minimal, the only drawbacks being the need for the majority of Canadians to modify their, lifestyle slightly; buy smaller cars,

bicycle to work, use public transportation, turn the 1 thermostat down and turn off the lights. But these 2 modifications are insignificant compared to the radical 3 changes in lifestyle that would be forced on the people 4 living in the small communities in the Mackenzie Valley 5 should the pipeline be built. 6 7 Moreover, it is inevitable, as fossil fuel sources dwindle, that we will have to 8 modify our energy habits anyway; so why not make these 9 changes now rather than later? 10 The Federal Government has 11 recently, published its policy for energy self-reliance. 12 13 The thrust of the new policy is that Canada's energy needs in the foreseeable future 14 will rely very heavily on nuclear power and fossil 15 fuels oil, gas and coal. The potential of renewable 16 17 energy is very much downplayed. It should be noted that in 18 the Energy Strategy Report, renewable energy is defined 19 to include solar, tidal, geothermal and unconventional 20 small-scale hydro, but does not include power generated 21 22 by conventional hydro-electric plants, although this is, of course, a form of renewable energy. 23 energy is a general term to include passive solar, 24 directs solar wind and biomass. 25 26 The Energy Strategy Report is --27 THE COMMISSIONER: What was 28 the last one? 29 Α Biomass energy from plant sources, natural sources.

All right, 1 Q 2 Α The Energy Strategy Report is somewhat contradictory as regards the 3 potential contribution of renewable energy. Although 4 it is estimated that renewable energy could possibly 5 provide between three and 6% of Canada's primary energy 6 demand by 1990, these figures are not included in the 7 total estimates given in the report. The only sources. 8 of energy included in the estimates are coal, gas, oil 9 and primary electricity. We can therefore only presume 10 that if renewable energy can fulfill this potential, 11 then three to 6% less energy will be needed from these 12 non-renewable sources. This factor could be very 13 significant when it comes to making decisions on 14 whether there will be a need for the natural gas of the 15 Mackenzie Delta by 1990. 16 Whether these estimates of the 17 potential for renewable energy are, accurate is a matter 18 for conjecture. In contrast to the wildly optimistic 19 estimates of oil and gas reserves in the north, the 20 government has spectacularly underestimated the 21 potential of renewable energy in general, and solar 22 energy in particular. Only last year the official 23 estimate was that solar energy could provide a mere 24 1/100 of 1% of Canada's energy needs. This year, a 25 preliminary study has estimated the potential as between 26 two and 4%, an increase that is to say the least, 27 significant. 28 The issue of how much of 29 Canada's total energy demands can be provided by solar

energy is, of course, related to the issue of how much energy is needed. The Energy. Strategy Report. estimates that even with reduced demand due to the effect of higher energy prices, the total energy demand will increase by 100% before 1990, unless specific government initiatives are taken.

Although the government has initiated some small positive steps to help reduce energy demand, these measures in themselves are clearly not sufficient. Although it may be possible to limit the increase in energy demand by less than 30%, it remains to be seen whether the government and the Canadian public are indeed willing to provide the concerted action and effort required.

The issue of energy conservation has been examined in detail in other briefs submitted to this Commission, and we will therefore not concern ourselves here with the many benefits of energy conservation measures. This should not be taken to mean, however, that we are downplaying its importance in any way. Energy conservation is a means of buying time until the renewable energy option can be implemented.

A further issue raised by the Energy Strategy Report is that there is no indication of how Canada's energy demands are going to be satisfied by the 19, 90s. Because of the long lead. time required to develop renewable energy sources, it is critical energy that decisions on long-term energy strategy should influence present-day policies, decisions and

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investments. If renewable energy is to provide a significant proportion of Canada's energy needs by the year 2020, say more than 30%, it is necessary that a start be made immediately. Unless today's buildings are designed so that they can make best use of passive solar radiation and can be easily retrofitted for solar space and water heating systems, it will be impossible to implement the solar energy option rapidly in the future. The Energy Strategy Report also raises but does not answer the issue of interfuel 10 sub situation. There is no clear-cut policy on how 11 .the' government foresees that low-grade energy sources 12 such as solar energy will be substituted for high-grade 13 sources such as fossil fuels. Moreover, there is no 14 information on what percentage of our future energy nee 15 s will be low-grade and what percentage will be high 16 This information is essential in deciding 17 whether we need the high-grade frontier fossil fuel 18 resources by the late 1980s. 19 The estimate of the potential of 20 solar energy carried in the Energy Strategy Report was 21 22 based in part on a detailed study carried out by Middleton & Associates Limited in Toronto on behalf of. 23 the Federal Government. This preliminary study 24 investigated some 16 renewable energy technologies, 25 including those in the field of direct solar, wind, 26 biomass, and other forms of energy. Tidal, geothermal 27 and small-scale hydro-electric systems were not included. 28 In order to estimate the 29 potential of solar energy by 1990, the study took into

account three factors: 1 The technical viability of solar energy; 2 The economic viability of solar technology to produce 3 the same quantity of energy for a specific use at less 4 cost than by conventional methods; 5 The scale and rate at which a solar energy option can 6 7 realistically be implemented. In developing the estimate, 8 two major assumptions were made. 9 It was assumed that if solar technology were 10 viable, cost competitive and readily available, the 11 consumer would choose solar energy in, preference to 12 other conventional energy sources. Of course, in 13 practice there is no quarantee that the consumer will 14 indeed behave in such a rational manner. 15 The second assumption made in arriving at the 16 estimate of a 2 to 4% share for solar energy was that 17 the only action the Federal Government would take to 18 encourage the development of solar energy would be to 19 increase the price of fossil fuels. As the Energy 20 Strategy Report itself admits, if certain government 21 22 initiatives were undertaken the percentage share of solar energy could be increased still further. 23 as we know, there are no official estimates of just how 24 much greater the percentage share could be. 25 Our opinion is that that 26 percentage share could conceivably be doubled (that is 27 to between 6 and 12% of primary energy demand by 1990), 28 although this of course assumes a vigorous program of 29 government support, which at the present time seems

most unlikely. 1 In order to bring about the 2 rapid development of solar energy, there is a need for 3 an intensive program of support from both Federal and 4 Provincial Governments. This program could be 5 justified on two main grounds: 6 The long-term cost benefits of solar energy are not 7 reflected in the present cost of solar energy; 8 2. Other new forms of energy, including frontier oil 9 and gas, receive considerable support and financial 10 assistance from the government 11 The problem with solar energy 12 and/or other alternative forms of renewable energy is 13 that they we initially capital-intensive and at the 14 time are probably not quite economically competitive 15 with conventional forms of energy. The reason that 16 solar energy is not economically competitive is that 17 conventional fossil fuels are at present being sold at 18 artificially low prices. 19 It is tragic that the price 20 of fossil fuels today does not take into account the 21 future worth of these resources to future generations 22 of Canadians. It is sheer stupidity that fossil fuels 23 are being depleted on low-grade uses like heating when 24 viable alternatives do exist. When it is taken, into 25 account that over 30% of Canada's, total energy bill is 26 used on heating, the potential saving of fossil fuel 27 resources by the use of alternative methods in this 28 field is tremendous. We should not be burning up our 29

oil and gas resources for heating purposes., but should

be saving them for more significant high-grade uses. 1 The implications of these 2 remarks are that while the Middleton Report showed that 3 only 2 to 4% of energy demand by 1990 could be provided 4 at competitive prices by solar energy, the system of 5 economic analysis used is somewhat open to question, 6 7 Assuming a cost benefit approach were adopted, a higher 8 percentage could then be justified. Solar energy is also at a 9 competitive disadvantage in that other new forms of 10 energy have received considerable support and financial 11 assistance from the government. This is particularly 12 true of the large oil companies-exploring for oil and 13 gas in the north. Assuming the pipeline is built, 14 these companies will benefit from several direct and 15 indirect subsidies. First the government will provide 16 support services to the pipeline. One estimate has put 17 the direct costs to the government s high as \$500 18 million for such items as health services, roads, 19 serviced land and docks. 20 21 Second, the, government will 22 presumably have to provide a generous land settlement to the native people to compensate them for the land 23 required for. northern development. 24 The financial compensation could amount' to several millions of 25 dollars. 26 27 Third, the government will 28 pick up most of the bills for the environmental and 29 social costs of the pipeline construction and related developmental activities. The bill for the social

costs in particular will be very high, and, it will be 1 several generations before the final total is known. 2 Thanks to a combination of misplaced government 3 paternalism and the left-handed generosity of the oil-4 companies, the lifestyles of local people in the 5 Mackenzie communities are being transformed. 6 of being self-sufficient and living off the land, they 7 are being seduced by a high energy lifestyle. 8 oil and gas bonanza is over, the native people may-9 then. find it almost impossible to return to their own 10 way of life, even if by that time they wanted to. 11 The government could not then 12 leave the people stranded but would have to take some 13 of the responsibility for its actions and continue to 14 support these people until they could become 15 economically self-sufficient once again. This might, 16 take, generations and meanwhile the cost to the 17 Canadian taxpayer will be millions of dollars. 18 A further indirect subsidy 19 that the oil companies receive is that they can 20 discount most of the costs of developing expensive 21 22 frontier oil against the easy profits made on more readily accessible fossil fuel resources. 23 Because of these hidden 24 subsidies, the large oil companies exploring for oil and 25 gas in the north have certain competitive advantage over 26 the individual home-owner exploring for solar energy 27 on his roof with a solar collector. To compensate for 28 the tax breaks given to the oil companies and the 29 additional indirect subsidies provided by the 30

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28 29 government, we suggest that the government should consider introducing a massive program of support for solar energy. Either the government could allow the individual home-owner to. deduct a portion of the capital cost of solar energy against his or her tax bill each year, or alternatively the government could provide an outright grant t all home-owners who install solar energy technology. Another measure that could be introduced is the -compulsory use of renewable energy for the luxury uses of low-grade energy such as the heating of private swimming pool. The net effect of these measure would be to accelerate the acceptance of solar energy and increase its percentage share of solar energy demand. In the introduction to this brief, we suggested that the rapid development of solar energy combined with an intensive program of energy conservation was, a potentially viable alternative to the immediate development of the frontier resources of the Mackenzie Delta and the consequent need to build the Mackenzie Valley Pipeline. Leaving aside the wider issues of pollution, social breakdown, resource

In order to compare the two options, let us examine in detail the quantity of

cost in a comparable period of time.

quantity of energy as that which could be delivered

through a Mackenzie Valley Pipeline at a comparative

depletion, and long-term energy policy, the acid test

is whether the solar energy option can provide the same

energy that could be provided via the Mackenzie 1 Pipeline. Last year's figures given for the proven, 2 probable and possible reserves in the delta areas are 3 between 3.8 and 6.1 trillion cubic feet, which will 4 amount to between 3, 800 and 6, 100 trillions of b.t.u. 5 1s of energy This is not very much. In the recent 6 energy strategy announced by the Federal Government, it 7 is estimated that be demand for natural gas by 1990 8 will be at most 3, 000 trillions of btu per year. 9 other words, there is approximately only two years' 10 supply of natural gas in total In the Mackenzie Delta, 11 although it can be assumed that the gas will be 12 supplied and used over a number of years. 13 The estimate of. 3 to 6% as 14 the share of total demand for renewable energy by 1990 15 means that between 500 and 1,000 trillions of btus 16 could be provided each year from renewable energy 17 18 sources. 19 This means that if the assumption is made that the natural gas from the 20 Mackenzie Delta would not come on-stream until the late 21 22 1980s, the same amount of energy that can be provided via the Mackenzie Valley Pipeline can be provided by 23 renewable energy at a comparable cost and at almost the 24 same rate. With a suitable program of interfuel. 25 substitution this energy can, be deployed so that the 26 existing high grade uses of natural gas can be satisfied 27 by other sources of fossil fuels, these sources being 28 made available through substitution by renewable energy. 29 30 Moreover, we have attempted

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to show that given a vigorous program of government support and assistance comparable to the billions of dollars of subsidy that northern development is receiving, the percentage share of solar energy could be increased further and possibly even doubled. short, the rap i& development of solar, energy combined with an intensive program of energy conservation is indeed a potentially viable option. We would like to raise one more point that is brought out by the Energy Strategy 10 In discussing renewable energy, the admission 11 is made that an evaluation of the full range of costs 12 and benefits associated with renewable energy 13 technologies has yet to be carried out'. We find it 14 very difficult to understand how the Federal Government 15 can intelligently develop a long-term energy policy 16 unless this work has been completed., 17 Similarly, we cannot under 18 stand how a decision can be made on whether the 19 building of the Mackenzie Valley Pipeline should 20 proceed unless alternative courses of action have been 21 22 fully evaluated We would, therefore recommend that before a decision is made to build the Mackenzie Valley 23 Pipeline there should be a full public investigation of 24 the potential of renewable energy. Only when these 25 studies and hearings have taken place and conclusions 26 drawn, should a decision be taken on whether the 27 28 pipeline is necessary in the immediate future. In conclusion, we would like 29 to thank the native peoples of the Mackenzie Valley,

for it was mainly their efforts that forced the 1 government to take a second look at the need to build a 2 Mackenzie Valley Pipeline. We hope that in reap-3 praising Canada's energy strategy, the government takes 4 inspiration from the traditional, self-sufficient 5 lifestyle of the native peoples. For thousands of 6 years these people have lived with the land and with 7 the climate. Their tradition is, we feel, our survival 8 for the future. 9 Thank you, Mr. Commissioner. 10 THE COMMISSIONER: 11 Can I ask you a question? You said that estimates of the 12 percentage of Canada's energy that might be supplied by 13 solar means or solar energy, had been made. How far 14 into, the future do those projections go? Middleton, 15 you say, was the source of those estimates. 16 17 Α Yes. How far does he go? Does 18 0 he go to the year 2000? You may have told me, but it 19 slipped my mind. 20 I wonder if I could call 21 Α 22 on another member of our society to answer this 23 question? 24 Certainly. Q 25 MR. GLOVER: My name is Michael Glover. Primarily the Middleton Report 26 concerns itself with the year 1990, but it does raise 27 the point, as is mentioned in the brief, that the 28 estimate that they put at 20, 10 is about 20%, and then 29 they begin to extrapolate from there. But it's very

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difficult to do because from 2000 onwards the
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   uncertainties are so much.
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                                   Yes.
                                         Well, in 1:990
   what do they project as the percentage of Canada's---
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                                   2 to 4% is the potential.
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                                   For 1990?
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                                   And by the time you get
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   to 2010 it's 20%?
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                                   Yes.
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                              THE COMMISSIONER: All right.
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   Well, thank you both very much.
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    (SUBMISSION BY SOLAR ENERGY OF CANADA L. NEWELL -
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   MARKED EXHIBIT C-562)
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                              (WITNESS ASIDE)
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                              MR.
                                   WADDELL: Mr.
   Commissioner, I wonder if we could have one more brief
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   before our coffee break, and that's from the Canadian
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   Council of Professional Engineers, Mr. C.J. McGee, who
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   is acting general manager. Mr. McGee?
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                              Mr. Commissioner, I have a
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   message for Larry Wilmore. Is Mr. Wilmore here?
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                              THE COMMISSIONER Go ahead.
                              C.J. McGEE sworn:
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                              THE WITNESS: Mr. Berger,
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   c'est compris que nous avons la traduction simultanée,
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   so if you permit I will proceed in the other official
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                              THE COMMISSIONER:
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Α My name is McGee, I'm the acting general manager of the Canadian Council of Professional Engineers. The council is a federation of 11 provincial and territorial associations of professional engineers in Canada. Through its constituent associations, it groups all of this country's, 85,000 professional engineers and it has become generally recognized as the national voice of the profession. The purpose and objects of 10 the council include that of promoting and maintaining 11 high standards in the engineering profession, promoting 12 the professional, social and economic welfare of the 13 members of the profession, promoting a knowledge and 14 appreciation of engineering and of the engineering 15 16 profession, and enhancing its usefulness to the public ; promoting the advancement of engineering and 17 related functions and generally carrying out other 18 related functions are also part of the mandate of the 19 council. 20 The role of the council is to 21 act on behalf of and to present the views of its 22 constituent associations and organizations in matters 23 that are national or international in scope. 24 The council met in Montreal 25 May 20th and 21st and reviewed the matter of its 26 position with respect to the Commission of Inquiry on 27 the Mackenzie Valley Pipeline. It was the decision of 28 the Board of Directors of the council to endorse the 29 submission made to your Commission by the Association 30

of Professional Engineers, Geologists and Geophysicists 1 of Alberta, in a document dated May 17, 1976. 2 It is the wish of the 3 council, speaking on behalf of the engineering 4 profession in Canada, to state clearly that it strongly 5 supports the early approval of the Mackenzie Valley 6 Pipeline project, thus avoiding a crisis in planning 7 and thereby permitting the achievement of a balanced 8 solution to problems involving native rights, 9 environmental protection, economic stability and a 10 controlled reduction in the impact of the energy crisis 11 for the benefit of all Canadians. 12 Mr. Commissioner, engineers 13 to an increasing degree are concerned with public 14 affairs and in positions to state the views of this 15 important element of the population now at a ratio of 16 17 one engineer to every 275 Canadians. It can be said that the main 18 mission of the Canadian engineer is to harvest 19 technology and develop natural resources for the 20 creation of a better life for all the people of this 21 22 nation. There are really many reasons to be proud of the achievement and contributions of Canadian 23 24 engineers. We often forget in the onward 25 rush of progress, that just about everyone in Canada 26 and in most industrialized nations, lives better today 27 than the elite of yesterday. 28 29 The engineering breakthrough

in satellite communication has created a new era for

all of us. 1 2 As other frontier areas are developed by the mining and petroleum industries, 3 satellite communication will be a vital factor both 4 from an operating point of view as well as n its 5 cultural terms. 6 The engineer brings to his 7 job individuality, integrity, intellectual discipline, 8 application of science to his engineering art, and 9 responsibility to the society in which he lives. 10 Our under-graduates today in 11 engineering are being trained to develop skills not 12 only in their engineering sciences but in the social 13 sciences. The engineer of today offers to his country, 14 his experience, his ability to intellectually analyze, 15 and his ability to impart professional knowledge of 16 very complex systems and situations. 17 It is the wish of our council 18 speaking on behalf of the engineering profession in 19 Canada, to state clearly the strong support of the 20 Mackenzie Valley Pipeline project. 21 The story of civilization, 22 Mr. Commissioner, is in many ways a story of man's 23 struggle to first exist and then to improve on progress 24 both in welfare and understanding. One side of the 25 story -- the side which secures the long and arduous 26 struggle to make the forces of nature work for man's 27 good -- is the story of engineering. It is a story 28 which is pieced together from dusty manuscripts and 29

crumbling relics, explained the state of the world

today as well as the accounts of kings and 1 philosophers, generals and politicians. A million 2 years ago at the beginning of the Pleistocene period, , 3 our ancestors were small ape-like primates much like 4 the man-apes whose fossil remains have been found in 5 Africa. Probably as early as 100, 000 years ago, 6 before the last advance of the Pleistocene glaciers and 7 certainly by 10, 000 years ago, the forces of evolution 8 had caused these man-apes to evolve and., to mend every 9 bit of his human form and able to think and realize the 10 same as we today. 11 Man has spent 99% of his 12 history since he learned to. make' tools as a hunting 13 and food-gathering tribesman. Civilization has arisen 14 only during the remaining 1% of this time, since 9, 000 15 to 10, 000 years ago when man discovered how to raise 16 crops and to tame animals. The first engineers were 17 irrigators, artists and military engineers. 18 The same man was usually expected to be an expert: in all three 19 kinds of work. This was still the case thousands of 20 years later when Da Vinci, Michaelangelo, and Durer 21 were not only-all-around engineers but outstanding 22 23 artists as well. Specialization within the 24 engineering profession has developed only in the last 25 two or three centuries as complexity increased. 26 hear much of mighty kings and heroic warriors, somewhat 27 less about priests, philosophers and artists, and very 28

little about the engineers who built the stages of

which these players performed -- on which these player

performed their parts. Everybody has heard about 1 Julius Caesar, but who knows about his contemporary, 2 Sergius Errata, the Roman building contractor who 3 invented central indirect house heating? 4 In the pages of history one 5 human institution, technology, , has plotted ahead. 6 While empires rose and fell, forms of government went 7 through their cycles, science flared up and puttered 8 out and men burned each other over differences of creed 9 or culture, the engineers went ahead with raising their 10 city walls, erecting their temples and', palaces, 11 paving their roads, digging their canals, tinkering 12 with their machines, and soberly and rationally 13 building upon the discoveries of those who had gone 14 before. 15 16 Canada, too, has grown and prospered as a result of the work of its engineers. 17 It is not possible to do justice in any modest period 18 to their many accomplishments, but it is appropriate 19 that attention be drawn to a few of these men of vigor 20 and vitality whose services and vision were greatly 21 needed in the building of Canada. Surveys of all 22 kinds, notably bridges, great canals, public 23 buildings, water works, railways, even substantial 24 help in governmental matters were needed in great 25 measures in Canada's early years and were implemented 26 with skill and dispatch. I can mention the name of 27 Joseph Bouchette, whose family originated in France, 28 and whose work included hydrographic survey of the 29 harbour at York and harbors at other Lake Ontario 30

This City of Ottawa this year celebrates its 1 150th anniversary. Dr. Robert Legget, an author and 2 engineer, has told us of the great achievements of 3 Colonel By. How many of us have the joy and pleasure 4 of experiencing the beauties of nature along the 5 Rideau Waterway today as a result of the 6 accomplishments of a great engineer 150 years ago? I 7 mention also Thomas Coultron Keefer of Ottawa, 8 Commissioner at the International Exhibition in London 9 in 1851, and in Paris in 1878, and one of the leading 10 hydraulic engineers of the time on this continent. 11 I mention Casimier Stanisleus 12 Gzowski, an engineer of the first rank, a founder of 13 traditions, a pioneer in the works for the public good, 14 a soldier and servant of the Crown. Casimier Gzowski 15 contributed greatly to the development of railways in 16 many parts of Canada and is most famous for his design 17 and construction of the International Bridge from Fort 18 Erie to Buffalo. Mr. Commissioner, at more recent 19 times I mention the Honourable C.D. Howe, the engineer 20 who did a magnificent job during the last Great War of 21 leading this country from one of agriculture resources 22 to a strong industrial position and who once said, 23 "This is no country of a pessimist," Ironically, Mr. 24 Commissioner, Mr. Howe will be remembered for a debate 25 about another pipeline n another august house very 26 close to this Conference Centre. 27 On a more personal level, I 28 present myself here in this Conference Centre with 29 memories of my own presence, in this same building 25

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years ago working as a young engineering student for our national railroad system. Now I come to this centre to enjoy its exhibits and participate in conferences such as this. It was people like Mr. Bouchette, Colonel By, Mr. Keefer, and Mr. Gzowski whose foresight and courageous optimism provided me with the opportunity of employment and a chance to make my contribution to my chosen profession and to my I believe that on a very personal basis, my grandfather, who did work with Thomas Edison in Stanton Island, New York, in the early days of the development of the electric light system which we -- and the power systems which we have with us and around us, would be proud of me today, Mr. Commissioner. My own father, who was an employee of Canada's other great railroad system, I believe would share some of this pride if he were alive today. Mr. Commissioner, the professional engineers of this country submit to your Commission the request to proceed with this pipeline project. We are fully aware of the dangers, the problems the difficulties, and the sensitivities of all Canadians. I might add, Mr. Commissioner, that it was my personal experience to share my home over an extended period of time in recent years with young

and our children. There were Cree from Moose Factory, Montagnais, from Bersimis speaking in their own native tongue as well as in Canada's second official language;

people from our native cultures, students studying in

Ottawa came to live with us, live with my wife, myself

there were Iroquois from Caughnawaga, and a native girl 1 from Maniwaki very close by. These experiences were 2 enriching to me, culturally and in every other way. I 3 thank them as brothers and sisters for sharing their 4 lives with me and my family. I have been to Whitehorse 5 and have met native people there. I hope that my 6 colleagues in the profession will have the privileges 7 and opportunities also to share with native peoples 8 these experiences. I hope that our native people will 9 be willing to share their culture with all Canadians, 10 and that together we can progress and build a better 11 world for all mankind. (WITNESS ASIDE) 12 THE COMMISSIONER: 13 Thank you very much, sir. 14 (SUBMISSION BY CANADIAN COUNCIL OF PROFESSIONAL 15 ENGINEERS C.J. McGEE MARKED EXHIBIT C-563) 16 17 MR. WADDELL: Well, Mr. Commissioner, we have engineered a coffee break now and 18 it will take --19 THE COMMISSIONER: 20 Well, I think before we break for coffee I might just say that 21 22 commenting on Mr. McGee's brief -- that Dr Robert Legget, the historian of your profession, sir, has been 23 a witness at the Inquiry in Yellowknife, because he is 24 one of the pioneers in engineering in, Northern Canada, 25 and I know that we all appreciated his coming to the 26 north to discuss these questions with us. We have 27 heard a great deal of evidence from Canadian engineers 28 at the Inquiry about the construction of a pipeline 29 buried in permafrost, something that has never been

attempted anywhere else in the world, 1 One of the witnesses we've 2 heard is Dr. Hardy of Calgary, who we are given to 3 understand is one of the fathers of the science of soil 4 mechanics in this country. 5 You might be interested to 6 know too that the Inquiry has its own engineering staff, 7 limited in numbers but the head of our Appraisal Team, 8 Dr. Fyles, and Dr. Morgan is a consultant to this 9 Inquiry, went to the Soviet Union last September., I 10 believe it was, for two weeks to study pipeline 11 engineering in the north-west Siberia and in other parts 12 of that vast country, and we are fully aware of the 13 achievements of the Canadian engineering profession, It 14 is a matter of some interest, perhaps, that in the 15 Soviet Union they have not, so far as we know, attempted 16 to bury gas pipelines in the permafrost, but rather not 17 having the extent of permafrost that we do in Canada 18 they have managed to go around the permafrost, so that 19 they have not been confronted with these problems of 20 engineering in permafrost that this proposed pipeline 21 confronts Canadian engineers with. 22 23 The Alaska Pipeline, of course, is built on elevated piles above the permafrost 24 So I appreciate your coming and sharing your thoughts 25 26 with us, sir. So we'll take a break for 27 (PROCEEDINGS ADJOURNED FOR A FEW MINUTES) 28 coffee then. (PROCEEDINGS RESUMED PURSUANT TO ADJOURNMENT) 29 30 THE COMMISSIONER: Well, we'll

call our hearing to order and we'll carry on 'til about 1 12:30, ladies and gentlemen, and see how we get along. 2 MR. WADDELL: Mr. 3 Commissioner, there's a number of briefs on the agenda 4 which I hope we can get to this morning. 5 There's some additional briefs people have given to me and I'll have 6 to file some of them, sir. One I'd like to file right 7 now is from Ms. Kahn-Tineta Horn Miller and I'll file 8 her brief with Miss Hutchinson of the Inquiry and we'll 9 make copies of these briefs so that they can he 10 distributed to anyone who would like one. 11 (SUBMISSION OF MS. KAHN-TINETA HORN MILLER - MARKED 12 EXHIBIT C-564) 13 The next brief I'd like to 14 call, Mr. Commissioner, is from the National 15 Association of Friendship Centres and I call upon Mr. 16 Roger Obonsowin, who is the vice-president and Del 17 Anaquod, who is the executive director. That's A-N-A-18 Q-U-O-D, and there'll be a lady with them and perhaps 19 Roger, you could introduce her, could you? 20 DEL ANAQUOD, ROGER OBSONSOWIN, sworn: 21 22 YVONNE ALLEN KISOUN, resumed: 23 WITNESS ANAQUOD: Mr. Berger, I'd like to introduce you to our national vice-24 president of the Friendship Centre Association, Mr. 25 Roger Obonsowin on my far right, and also we have with 26 us, Yvonne Allen-Kisoun, the president of the Northwest 27 Territories Youth Association which I'm sure you've met 28 before and I will call upon our vice-president, Mr. 29 Obonsowin, to make our presentation. 30

WITNESS OBONSOWIN: 1 2 Commissioner, the National Association of Friendship Centres is pleased to have this opportunity to address 3 the Inquiry and to reaffirm our support for a just and 4 equitable land settlement with the Dene and Inuit before 5 major development occurs in the Mackenzie Valley region. 6 7 We admire the stand taken by our native brothers and sisters in the north who have 8 spoken out with pride, dignity and a realistic 9 perception of future alternatives. We know they have 10 stated their case clearly and therefore we are here not 11 to repeat their arguments but to support them with our 12 own experience. 13 The National Association 14 represents the 70 native centres set up in towns and 15 16 cities across Canada as well as the six provincial associations of centres. Altogether, we have 1,200 people 17 employed in the Friendship Centre movement, along with a 18 board of directorship of approximately 1,300 people. 19 These centres have been set 20 up to help cope with problems created when many people 21 22 are displaced from reserves and rural communities to urban settlements. Too often this urban migration is 23 caused by ill-planned and uncontrolled development with 24 no thought or consideration given to the environment 25 and the inhabitants of the region. 26 The migration to the cities has 27 28 increased at an alarming rate. In a period of four years twenty-four new native centres have been established in 29 Canada and the needs are still far from being met.

Most of our people come to 1 2 the city looking for one of two things: a chance to better their economic status or a place to hide from 3 the frustrations of reserve life. 4 On reserves where there is 5 little or no economic self-sufficiency, little or no 6 meaningful involvement in decision-making, little or no 7 comprehension of the impenetrable bureaucracy, the 8 self-image of native people is very low. 9 So they come to the city, 10 frequently with unrealistic expectations. 11 cases, they have very little experience in coping, and 12 they quickly fall into the poverty cycle of 13 unemployment depression, and alcohol abuse. 14 The loss of. culture, 15 16 community, and self-identity lead to alcohol, courts, and violent deaths. The beginning of a solution must 17 be to preserve community, culture and identity. 18 Dene and Inuit are seeking, are demanding the chance to 19 both preserve and enrich their own cultures. 20 cultures are intrinsically based on the land. 21 Dispossessed of their lands, they will inevitably join 22 the thousands of displaced. native people in our urban 23 The cry is strong; native people want to 24 centres. become equal participating members of Canadian society 25 while preserving their native heritage. 26 Many statistics have been 27 28 compiled to indicate how serious the situation is for native people in the cities - for people who are both 29 physically and morally displaced. But public hearings

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often become a testing ground for creative use of statistical data. History or hindsight tells the truth more clearly. Every Indian and Inuit community at one time or another has experienced the oncome of unwanted or uncomprehended development. The site of Toronto, for example, was purchased from a local band for 10 shillings - can anyone suppose that these Indians understood they were selling their land, their freedom, their culture for a few shillings? It is no wonder that the Dene and Inuit will not accept a cash settlement, but want control of a least part of their traditional lands which they own by aboriginal title. They can see the tragedy of displacement and loss of culture without meaningful replacements. We, as native people and Canadian citizens, cannot allow this experience to happen even one more time. Today we are taking part in one of the most important democratic events this country has ever experienced. The Federal Government has created this Inquiry to allow Canadian citizens across the nation to participate in decision-making, The Federal Government must be able to hear the overwhelming plea from native and non-native Canadians to postpone major development until land settlements have been fairly negotiated, until a creditable evaluation of oil and gas deposits has been formulated, and until environment-protection technology can cope with some of the serious threats to our north. Here, at this Inquiry, we

have a chance to take part in the implementation of

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participatory democracy through a new thoughtful approach to "progress" that does not cast "development" versus environment, minority versus majority. room in this country for the implementation of many different types of development. Technological advance need not preclude creative development in social, economic, and political spheres. We challenge the Canadian government to respond to this opportunity in good faith: to wait for Justice Berger's recommendations and to act on them. This might be the last chance t begin to change an ugly (mismanaged) history into a positive future for all Canadians. WITNESS ANAQUOD: Mr. Berger, with your permission, I would like to call upon Yvonne to -- she did our presentation in Yellowknife last February and do you have anything else that you wanted to add on, Yvonne? WITNESS ALLEN KISOUN: Berger, we, the Northwest Territories Youth Association, presented our brief earlier this year. We're again represented here today to show our support to NAFC's goals, especially ones of stimulating and encouraging participation of native peoples in the political, cultural, social, economic, and educational developments. As we have stated before, we feel that if given the opportunity, we, the youth, can be a great source of creative energy. It is our main

interest to channel these energies through creative

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organizations such as Friendship Centres and produce in
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   the youth, the attributes of meaningful.
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                                              leadership
   and citizenship. We trust that your recommendations
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   will not endanger our future, as our main aim is to
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   protect our present and future rights as the decision
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   makers of our forefathers land,
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                              THE COMMISSIONER:
                                                 Thank you
   very much.
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                              WITNESS ANAQUOD: That's all
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   for our presentation, Mr. Berger.
                                       I'd like to say
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                            (WITNESSES ASIDE)
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   thank you again.
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                              THE COMMISSIONER:
                                                 Thank you.
    (SUBMISSION OF NATIONAL ASSOCIATION OF FRIENDSHIP
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   CENTRES - DEL ANAQUOD, ROGER OBONSOWIN, YVONNE ALLEN
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   KISOUN - MARKED EXHIBIT C-568)
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                              MR. WADDELL: Mr.
   Commissioner, I'd like to file two other briefs that we
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   won't be able to add on to the list.
                                          These are-
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   additional briefs. One is from Mr. L.A.C.O. Hunt, who
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   has a brief here and indicates that he had experience
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   in the north beginning in 1928, so I'd like to file
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   that brief with Miss Hutchinson,
    (SUBMISSION OF L.A.C.O. HUNT - MARKED EXHIBIT C-565)
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                              The other is a brief from Mr.
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   Paul McRae, Member of Parliament, Fort Williams, Ontario
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   who is Parliamentary Secretary to the Postmaster General.
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   I don't think we'll have time to hear him today, so we'll
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   file that as well.
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    (SUBMISSION OF PAUL MCRAE, MEMBER OF PARLIAMENT MARKED
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   EXHIBIT C-566)
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I would call upon the next 1 2 brief on our list. I think at this point I'd like to call upon the OXFAM brief if I might. 3 THEO HILLS sworn: 4 THE WITNESS: 5 I am Theo Hills, representing OXFAM-Canada. 6 7 OXFAM-Canada appreciates this opportunity to appear before the 'Inquiry. One of the 8 most critical aspects of the proposed Mackenzie Valley 9 pipeline is its socio-economic impact on the north. 10 The issues raised by this aspect of the Inquiry are 11 vital to northerners. But, as well, they pose real 12 development alternatives that are increasingly relevant 13 to all Canadians. The large number of briefs which 14 have been presented over the past several weeks as the 15 Inquiry moves through several cities across Canada have 16 demonstrated an intense concern among southern 17 Canadians for these critical issues. 18 19 OXFAM-Canada has, been active during the past 10 years working with people in the 20 21 Third World through long-term development projects which confront some of the immediate injustices of 22 poverty in their daily lives. Moreover, as an active 23 participant in the international OXFAM movement, we 24 have had available to us a wealth of international 25 experience gained over three decades. Through this 26 direct involvement in the problems of 27 development/underdevelopment, a perspective on our work 28 has emerged which has shaped our goals and programme in 29 l developing nations and in Canada. We are convinced

that this experience is directly relevant to the broader issues now before the Inquiry.

In the projects we have supported, whether in India or Bangladesh, the Andean region or with the liberation movements of Southern Africa, OXFAM has sought to work with the poorest sections of the population in both rural and urban areas Our commitment has always been to give material assistance to their aspirations for social justice and greater equality within their own societies.

But equally important, this experience has taught us to deepen our concern for social justice with the recognition that one of the central causes of underdevelopment is the existence of indigenous and external elites who use their economic and political power to impose "development priorities" on these societies. Such priorities often strengthen the economic and social positions of these elites within developing societies at the expense of the poor and marginalized populations. In other words, the poorest of these populations, who daily face the conditions of material poverty, also lack the political power to realize their interests in a more just and equitable social order.

In Bangladesh, for example, nearly half the rural population are landless or own small uneconomic plots. Unable to maintain a subsistence level of income, the poorest peasant is bound to the wealthy peasant and moneylender through increasing debt in order to purchase the grain he is unable to

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grow. At the same time, the control of land, agricultural labour and rural credit by the elite within Bangladesh imposes social, economic and political obstacles for a programme to redistribute land on a cooperative basis. Without redistribution of land, the landless and poor can have no secure and independent economic base to sustain them. With control over land and power resting in the hands of others, the real needs f those most oppressed - for adequate shelter, nutrition, health and education - can never be met. By creating the conditions fort relative self-reliance, indigenously determined, long-term development projects may also develop the self-confidence and awareness of the oppressed to assert their longer-term interests in the national political, economic and social spheres. Along with this under standing comes the realization that any nationwide amelioration of the conditions of poverty requires a thoroughgoing change in the social and economic structures that sustain dependency and exploitation. Development projects do not in themselves generate such structural transformations. What they can do is create the awareness of their necessity to offer a model for real alternatives. We shall demonstrate that these perspectives are directly relevant to our involvement in the Mackenzie Valley. Closely related to the transformation in the nature and understanding of our work 28 overseas has been the development of our programmes in Canada. Public education and political action programmes

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in the three regions of OXFAM-Canada have sought to broaden the awareness of Canadians of the dimensions and causes of poverty, malnutrition and illiteracy as well as to emphasize the importance of effecting meaningful policy changes in Canada's economic and political relationships with developing nations.

OXFAM's education and political action programmes have generated a response among Canadians not only because of a humanitarian concern, but also because we feel Canadians share a common ground with those seeking social justice in the Third World. powerful external economic elites have distorted development in the Third World, these same elites in the industrial nations have distorted their own economies, most prominently through the agencies of global corporations supported by large governments. As a resource hinterland for metropolitan industrial nations, this distortion Ahousaht also occurred in Canada. most obvious victims of this process of development have been Canada's native people as well as the urban and rural poor. Their situation is characterized by those same conditions of underdevelopment that we have experienced in the Third World. and it is for this reason that material and other support for these groups are consistent with OXFAM'S aims and objectives.

OXFAM-Canada's involvement with Canadian native people goes back to 1970, the year in which we funded Project Talking Bird - a project involving initial organizational work in both western and eastern Arctic communities, especially among the Inuit.

Project Talking Bird was especially useful in helping to 1 build local affiliates of the Inuit Tapirisat of Canada in 2 the eastern Arctic. 3 This initial involvement with 4 Canada's native people in 1970 was motivated by a 5 genuine humanitarian response to their plight, by a 6 concern for their physical and psychological 7 oppression. But this concern was sharpened in the years 8 following in the awareness that the causes of poverty, 9 hunger, malnutrition, etc., among native people in 10 Canada were remarkably similar to the causes underlying 11 underdevelopment in the Third World, 12 Just as the societies and 13 economies of indigenous peoples in the Third World had 14 been disrupted, distorted and weakened during the 15 16 periods of conquest, colonialism and neo-colonialism by the intervention of the industrial countries seeking 17 resources for their own interest, so too in Canada the 18 appropriation of land resources by companies, 19 government and individuals led to the distortion, 20 disruption and eventual destruction of the indigenous 21 economies and societies of Canada's native people. They 22 23 were pushed aside in the process of nation-building and profit-building, sometimes exterminated, sometimes 24 conquered, more often forced onto reserves and put 25 under the charge of the Federal Government. The 26 colonization of the Third World has had its parallel in 27 this country. What is most unsettling, however, is that 28 this internal colonialism directed at the native people 29

of Canada has not ended, even in the present day.

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It is in this context that OXFAM-Canada saw that its experience and policies in encouraging development among communities in the Third World were directly relevant to a similar challenge among Canadian native people. In the past two years and in response to requests from native organizations, OXFAM has again been able to give practical expression to its long-standing concern for native development in Canada, through financial and other support for native peoples' projects. In 1974, The Indian Brotherhood of the N.W.T. approached OXFAM. They were determined to seek a land settlement in the N.W.T. different. from all previous native land settlements. They sought a continuing role in both the planning andthe benefits of developing their ancient northern homeland. The mechanism for ensuring themselves of a place in the future economic, social and political life of Canada's north would be continuing ownership of their land., All previous Canadian treaties with native people, up to and including the James Bay Settlement, have been instrument for extinguishing aboriginal rights to the land, The result of this extinguishment was that the dominant non-native Canadian society pushed ahead with its own kind of 'development' while native people became outcast and pensioners. OXFAM-Canada was attracted by several aspects of this proposal put forward by the Dene people. First it was a grass roots movement -- the impetus and demand for this kind of a land settlement

came from the communities. The near universal support for such an approach is shown by the response of hundreds of individuals to this Inquiry when it visits native communities.

Secondly, the Dene have made a significant breakthrough in uniting the status, nonstatus and Metis people of the N.W.T. In most parts of Canada, 'treaty' Indians keep themselves separated from 'nonstatus' and Metis people. This division is promote I and encouraged by the policy of our Federal Government which refuses to deal with these groups as one. In the N.W.T., the Dene made it clear from the start that they sought a settlement for all people of Indian ancestry. So strongly did they make this point that the Federal Government agreed for the first time in modern Canadian history to negotiate with both groups together.

Thirdly and lastly, OXFAM-Canada was asked to support only those segments of the Indian Brotherhood's work which the Federal Government had refused to fund.

In June 1975, OXFAM agreed to a project grant of \$140, 000 over a two year period to fund economic studies related to a land claim settlement in the N.W.T. Part of that grant will be used to pay for independent analysis of the economic potential of land under claim.

The largest portion will fund a series of workshops in which the Dene, will develop their own concepts of community-based development. By deciding what kind of development they want, they will

be able to work out the specific nature. of the land. 1 settlement that would be .needed to make it possible. 2 In this way, they will be sure that development 3 alternatives will be compatible with their own 4 lifestyle and needs. 5 It is our understanding that 6 this process, which is a critical process, is now well 7 under way within the Brotherhood. But a process by 8 which people themselves endeavour to take control over 9 their own lives and future is necessarily a time-10 consuming one. To deny the Dene the time they need-is 11 to risk serious damage to their future. The Dene 12 position of "no pipeline before a land settlement" is 13 surely a minimal demand which must be respected. 14 Consistent with OXFAM-15 16 Canada's desire to develop an educational programme around is major projects, we appointed a full time 17 staff member in July 1975 to, act as a liaison person 18 between OXFAM and the Indian Brotherhood of the NWT. 19 The responsibility of the liaison officer has been to 20 examine' the situation in the Mackenzie Valley through 21 direct experience in the field, and to translate that 22 understanding into an education programme for southern 23 Canadians, in the Province of Ontario. The programme 24 began in October 1975 and continues today. 25 Our involvement in the 26 Mackenzie Valley since 1974 has given OXFAM-Canada the 27 opportunity to analyze the dynamics of development in 28 the region and to articulate, with the benefit of our 29

experience elsewhere, what conditions are essential if

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social equality and justice are to be guaranteed to the Dene of the north. An independent economic, base suited to the present capacities of the native people of the Mackenzie Valley and sufficient to provide for both their present and their future development is one condition that is absolutely necessary. The second is a measure of self-determination that will allow the Dene to determine their own development priorities and that will at the same time secure their direct participation in other development decisions within the region. Land and self-determination have existed for the Dene through most of their history and even in large measure in the present day.. They continue to have a land base and the control they have had de facto over this land has allowed them to maintain their economy and the society which ii built on 'it. Government policy and corporate activity has often weakened the integrity of their way of life, but the fact that this externally initiated development, has 'been in the past, sporadic rather than comprehensive, has given the Dene the space to keep their society together and to avoid the symptoms of social disintegration that have been the fate of native people in southern Canada. Industrial training and employment programmes and government education systems have not altered the fact that the Dene have been marginalized from the development process in the

Mackenzie Valley, It has been' their fortune, that thus

industry and government have ignored this last frontier

far this process has not engulfed' the north, that

sufficiently to leave a margin enough for the Dene to sustain themselves on their own resources.

The future holds a different prospect, however, for the conquest of the last frontier has begun. Development of northern energy reserves and exploitation of northern mineral resources threatens to erode the margin that has underwritten the Dene's survival up to now. That erosion comes in the form of direct destruction of their economic base as the wildlife, the fish, the terrain, the air, in short, the renewable resources on which they depend suffer under the environmental damage of development projects. But it also comes (and perhaps more significantly) in the form of social impacts as diverse as alcoholism, prostitution, and short-term employment that draws people away from the land and away from their communities only to throw them back there when employment opportunities dry up.

Government policy as it relates to northern native people gives no basis for hope that this process will be reversed. The mandate of the Department of Indian and Northern Affairs — to extinguish the Dene's aboriginal title in exchange for reserves and monetary compensation — does not offer an economic base capable of supporting Dene society. The protected lands will be too small; usufructory rights on unprotected lands will lose their value as 'development' decimates renewable resources; and monetary compensation, insufficient to begin with, will not come within an integrated development plan worked out by the Dene necessary to maximize its usefulness. Moreover, the

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chronic failure of government programmes, directed at assimilating native people within the dominant, non-native society, closes off what might be an alternative source for the satisfaction of the material, if not the social and cultural needs, of the Dene. The future of the Dene under a land settlement as it is being advanced by the Federal Government, will be too little different from what is now the present-day reality for most native people in southern Canada — unproductive reserves, emigration to the metropolitan centres; in both places welfare, alcoholism, violence, suicide, demoralization. The injustice of this situation is inescapable. The need for an alternative is clear.

A land settlement that recognizes the aboriginal title of the Dene to their traditional lands and that invests them with the power to chart their own course for the future is an alternative, consistent with the goals of social equality and justice that form the foundation of OXFAM-Canada's work. This demand by the Dene to control their own lives and to chart their own future course constitutes, we believe, the essence of the Dene Declaration and the reason why OXFAM-Canada strongly supports it. The land will provide the material base, and the self-determination will provide the institutional foundation for the Dene to meet their development needs without the latter, power over the lives of the Dene will continue to rest in the hands of Canadian governments which have consistently shown themselves -- whether through ignorance or insensitivity to be incapable of wielding power beneficially.

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Political rights that give the Dene control over development on an ongoing basis in the Mackenzie Valley must be fundamental to any just land settlement. Without ownership of the land and of the rights to its renewable an non-renewable resources, the self-determination of the Dene will lack an economic base and will be vacuous. Both land and self-determination are important; both a necessary. The alternatives are clear. his is not a debate about legalities, but about social 10 justice. The history of colonialism and exploitation, 11 whose consequences are so evident in the Third World 12 and regrettably are also evident in the treatment of 13 native people in Canada, must not be repeated in the 14 Mackenzie Valley. For what this Inquiry is considering 15 is not only the right to cultural survival of the Dene, 16 but their material and social survival as well. As 17 basic human rights, these must be guaranteed to them. 18 19 Thank you, Mr. Commissioner. THE COMMISSIONER: 20 Thank you 21 very much, Mr. Hills. 22 (SUBMISSION OF OXFAM-CANADA - O. Hills MARKED EXHIBIT 23 C - 567) 24 (THE WITNESS ASIDE) 25 MR. WADDELL: Well, Mr. Commissioner, we still have some more briefs to hear this 26 morning, St is lunchtime, however, and I would have to ask 27 these people to come back at 2 o'clock. 28 I wonder if , I could speak to the Bell's Corners United 29 Church Group, Mr. Porter from Stelco, Mrs. Reitan, and Dr.

Pottle from Ten Thousand Days just after we adjourn 1 THE COMMISSIONER: 2 Well, ladies and gentlemen, I'm sorry that it's impossible to 3 hear everyone. We're sitting today at, 10, again at 2, 4 and again this evening at 8, and there are only so many 5 hours in the day, so all we can do is the best we can. 6 But I think those of you who don't get an opportunity to 7 present your brief to the public should know that my 8 staff and I examine all the briefs in any event, even if 9 they are not read here at the hearing, so that you 10 shouldn't feel that the time and trouble you've taken to 11 prepare a brief have been wasted in any way even if you 12 don't get a chance to read it here. I should say that we 13 felt we could only take a month to go through these main 14 centres of southern Canada and we allocated the time in 15 each city according to the number of requests we had 16 received in advance to present brief's, so that's why 17 we are spending two days in Ottawa and only two days.. 18 In any event, I think you realize that certain themes 19 are struck on each side of the issues that we're 20 discussing, and even though you may not get an 21 opportunity to present your brief here in public, many 22 of the things that you may have intended, to say have 23 been referred to by others, though not necessarily in 24 the words you would have used yourself. So, I think if 25 you bear that in mind, you'll realize that we are likely 26 to get an examination of the full range of opinions on 27 all of these issues. So, we'll adjourn until 2, and then 28 29 we'll carry on after that. Mr. Waddell?. 30 MR. WADDELL: Yes, sir, we'll

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show the film on the inquiry's work last summer in the
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   Northwest Territories and the Yukon Territory and that
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   will be shown at 1 o'clock for anybody who s interested
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   in it.
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                              THE COMMISSIONER:
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   room?
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                              MR. WADDELL:
                                            Here. Yes.
                              THE COMMISSIONER: Yes, The
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   film about the Inquiry will be shown in this room at 3.
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   o'clock this afternoon if you'd like to see that film.
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    (PROCEEDINGS ADJOURNED TO 2:00 P.M.)
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(PROCEEDINGS RESUMED PURSUANT TO ADJOURNMENT) 1 2 THE COMMISSIONER: Well, ladies and gentlemen, I'll call. our hearing to order this 3 afternoon. As you know, the Mackenzie Valley Pipeline 4 Inquiry has been holding hearings in Northern Canada for 5 14 months, and we have set aside one month, because we 6 received a multitude of requests from people who live in 7 Southern Canada, who wished an opportunity to be heard. 8 So the Inquiry which has the 9 task of assessing the social, environmental and 10 economic impact of the proposed gas pipeline from the 11 Arctic running along the Mackenzie Valley to, southern 12 Canada and the U.S., so the Inquiry which has that task 13 has come to Ottawa to consider the views that you who 14 live here wish to express on the issues of national 15 policy that confront all of us. 16 Bear in mind that the 17 Inquiry's task is not merely to assess the likely 18 impact of a gas pipeline, but to consider as well what 19 impact there would be if an oil pipeline followed a gas 20 pipeline, that is, what the likely impact from a 21 social, economic and environmental point of view would 22 be if we were to establish an energy corridor from the 23 Arctic, running to the mid-continent. 24 25 The National Energy Board has the job, of course, of dealing with questions of gas 26 supply, Canadian gas requirements, Canada's capacity to 27 export gas and so forth. In the final analysis, it will 28 be for the Government of Canada, the people elected to 29 govern to decide what decisions to make, to 30

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determine whether there should be a gas, pipeline built, to determine whether there should he an energy corridor established. That is the responsibility of those elected to govern.

The task of this Inquiry is

The task of this Inquiry is to gather the evidence, find the facts to enable the Government of Canada to make an informed judgment on these questions. So we'll ask those of you then who wish to say something this afternoon to come forward, and Mr. Waddell will indicate who we are going to hear first.

MR. WADDELL: Yes, Mr.

Commissioner. I should say something about the procedure that we have adopted here in our southern Canadian hearings. There will be no cross-examination of the witnesses here in the south, because we've sought to keep the hearing informal, however the major participants who are represented here, some of them by counsel, the Arctic Gas and Foothills Pipe Lines, the Northwest Territories Native Brotherhood, Metis Association and the Canadian Arctic Resources Committee they will have a chance to comment at the end of the day's procedure on the briefs that have been presented.

Now, we advertised in the papers of southern Canada, including Ottawa, sometime ago, and asked people or organizations who wished to submit a brief, to let us know so we could schedule our hearings in the south, and so the briefs we'll be hearing this afternoon are people that have already been scheduled. If there is' extra time, we will try to

hear from extra briefs that have come in. If we don't 1 have time to hear from those briefs, sir, we will file 2 them and you will get a chance to read them and look at 3 them closely. 4 So I would like to call our 5 briefs for this afternoon, and I should say that some 6 of the briefs are left-over briefs from this morning 7 that we didn't get to. I would like to call as the 8 first brief, The Steel Company of Canada, Douglas 9 Porter? 10 ALEC FISHER Sworn: 11 12 THE WITNESS: Mr. Commissioner, the Steel Company of Canada is most 13 pleased to have the opportunity of participating in 14 this Inquiry today, and I should mention that I am not 15 Mr. Porter, although he is with me, but I dm Alec 16 17 Fisher, Vice-President of Corporate Planning and research for the Steel Company of Canada. 18 19 Stelco is well aware of the complexities of the oil and natural gas supply/demand 20 situation which is receiving a great deal of attention 21 22 in Canada today by many parties. It is a very serious matter because it affects the future of all 23 Canadians. 24 Stelco agrees with the 25 National Energy Board contentions that domestic oil and 26 natural gas demand will outstrip domestic supply in the 27 foreseeable future, if the latter is dependent on 28 current Western Canada sources alone. The options open 29 to Canadians on the supply side are to develop and

transport natural gas and eventually oil from the 1 Arctic areas, or increase dependence upon other 2 countries for oil and liquid natural gas; and on the 3 demand side, either conservation or reduction of 4 industrial growth and employment opportunities. 5 6 Dependence upon other countries and reduction in industrial growth and employment 7 8 opportunities are not, in our opinion, in the best interests of Canada. In Stelco's opinion, it will take a 9 combination of both conservation and development of 10 northern supplies of natural gas and oil in order not to 11 drastically affect the economic base of the country. As a 12 major consumer of all forms of energy, Stelco's concern 13 about continuity of supply of natural gas has been 14 documented with the National Energy Board. However, 15 certain statements bear repeating. 16 In its Statement of Interest 17 to the National Energy Board relevant to the Mackenzie 18 Valley Pipeline Hearing, which was submitted on June 19 23, 1975, Stelco asserted that it, and I quote, 20 "has an interest in supporting the principle 21 that natural gas should be moved to markets in 22 southern Canada by the pipeline system which 23 will provide the lowest transportation costs." 24 Also that, and I quote, 25 "Stelco supports any proposal to move natural 26 gas found in the Canadian Arctic to Canadian 27 customers as expeditiously as possible." 28 29 30

End of quotation.

Appearing before the National Energy Board's natural gas supply and deliverability hearings in 1974, Stelco indicated the scope of its role in serving 3, 500 corporate customers situated in Canada from coast to coast. In 1975 terms, Stelco produced about 40 percent of Canada's total steel output or about 5.4 million tons. Stelco's personnel numbered 23, 200 whose engagement involved outlays of \$403, 000, 000.00. In 1975, its expenditures for goods, supplies and services with 7, 500 suppliers was \$602, 000, 000.00. Natural gas purchases averaged 63 million cubic feet per day or about 23 billion cubic feet during the year. The gas was furnished by Canada'; six major distributors from Alberta to Quebec.

Stelco's use of natural gas began in a major way in 1958, at Hamilton. By 1962, Western natural gas was in use in blast furnace, open hearth, annealing, galvanizing, forming and finishing operations. Entire process units were designed to use natural gas exclusively and cannot function on any other readily available energy source.

The clean burning qualities of natural gas are of environmental significance to communities in which industrial plants are situated. Natural. gas enables Stelco to meet present provincial government environmental standards, applicable to the emission of deleterious substances. Since 1960, Stelco has spent or committed \$197,000,000.00 for capital equipment for adherence to environmental standards and

it foresees additional capital outlays for this 1 purpose. Use of natural gas provides an essential 2 contribution unmatched by any other energy source to 3 the continued realization of environmental standards. 4 Natural gas is therefore vitally important to Stelco. 5 Metallurgical coal is the 6 source of 68 percent of Stelco's total energy needs. 7 8 Natural gas is the source of 21 percent, refined petroleum provides 6 percent, and 5 percent is supplied 9 by. electrical power. About one-third of all natural 10 gas employed by Stelco is devoted to processes which 11 are not adaptable to alternate energy sources. 12 The United States is the 13 source of nearly all the three and a half million tons 14 of metallurgical coal which Stelco employs annually. 15 Stelco is endeavouring to reduce this dependence on 16 outside sources by utilizing Nova Scotia and Western 17 coal for its future needs, but this, development will 18 take place over a number of years. The United States is 19 also the source of the bulk of the steam coal which is 20 employed in electrical power generation in Ontario. If 21 22 domestic supplies of oil and gas are allowed to diminish, it can be readily seen that Stelco would be 23 even more dependent on imports for its energy needs. 24 Natural gas from Arctic regions offers a viable 25 solution to counteract this trend. 26 Much is spoken and written 27 about the early benefits to be expected from energy 28 developed from solar and geothermal sources and from 29 synthetic fuels. The United States Federal Energy 30

Administration has cautioned that country in these 1 2 terms, and I quote: "Solar, geothermal and synthetic fuels will make 3 only a small contribution to domestic energy 4 supplies by 1985. The major contribution from 5 solar, geothermal and synthetic fuels will not 6 be felt until after 1990." 7 Stelco agrees that a reduction 8 in energy demand growth can be achieved in Canada through 9 an aggressive approach to conservation by all parties. The 10 magnitude of these savings will increase over the next 11 decade, but in Stelco's opinion will not be sufficient to 12 prevent curtailment of industrial growth and thus new 13 jobs, or serious balance of trade problems for the 14 country. Canada's steel industry has been and will 15 continue to be in the forefront of energy conservation. 16 Stelco, Algoma, Dominion 17 Foundries and Steel, Sidbec, Sysco and Sidney Steel have 18 formed the Ferrous Industry Energy Research Association, 19 slanted toward energy research and efficiency. At the 20 Second Federal Conference on Industrial Energy 21 22 Conservation, F.E.R.A. as it is termed, and a number of other industrial associations pledged themselves toward 23 attainment of energy conservation goals. In its 24 submission, F.E.R.A. stated in part, and I quote: 25 "The reputation of FERA companies for fuel effi-26 ciency is well-known in the world's steelmaking 27 fraternity. Because iron, must be extracted 28 from its ore and because all steel processing 29

must be done at ultrahigh temperatures, the pro-

duction of raw steel 1 is energy intensive. As Canada's total 2 steel production rises to meet forecasted growth 3 in demand, the total energy 4 required will increase. Conservation will fa-5 6 vourably influence the extent of the increase." 7 And then another quotation: "The FERA. companies have a long history of en-8 ergy conservation motivated by awareness that 9 energy accounts for a substantial portion of the 10 cost of doing business. They are committed to 11 energy conservation in recognition of its being 12 sound business and, as well, careful management 13 of nonrenewable natural resources. 14 FERA's members unhesitatingly endorse 15 and support government endeavours directed to-16 17 ward energy conservation. They are confident that, given government-industry cooperation in 18 word and action, tangible energy advantages to 19 all Canadians are attainable." 20 21 22 In addition to the foregoing on the supply and demand situation, some comments on 23 the matter of steel pipe supply are appropriate. 24 Concern has been expressed to this Inquiry as to 25 whether Canada has the capability to furnish the steel 26 pipe necessary for the construction of a large diameter 27 natural gas pipeline from the Arctic to markets in 28 southern Canada. These concerns are understandable and 29 deserve responses. However, as Canada's largest

1 | steelmaker and pipemaker, Stelco does not share these
2 | concerns.

The Canadian steel industry, particularly its basic producers, has substantial expansion programs underway. Stelco, as an example, will increase its production capacity by 1.35 million tons when its new steel plant at Nanticoke on Lake Erie comes on stream. Approximately 1,000 construction tradesmen are at work on the site at the present time. It is, therefore, Stelco's contention that enough basic steel will be available from Canadian sources to prevent any disruption in the normal supply of steel products to the Canadian market.

Stelco holds senior ranking amid North America's foremost pipemakers. It is known in the natural gas and oil transmission industry as a major producer of quality steel line pipe. Stelco-made steel line pipe is to be found in many of that industry's pipeline systems in both Canada and the United States. Stelco has an established and proven record of integrated quality content.

As to the availability of large diameter pipe, Stelco has placed in operation a new ultra modern mill capable of producing steel pipe up to 60 inches in diameter and wall thicknesses up to 1 1/8th inches from steel made to meet specifications designed for Arctic service. Stelco is convinced that from experience, the daily output from this mill will be adequate to provide Canadian content in excess of 50 percent in any northern pipeline project. More

specific detail with regard to specifications, supply 1 and timing will, no doubt, be key considerations in the 2 deliberations of the National Energy Board. 3 Stelco would, however, :at 4 this time indicate that in the design of its new mill, 5 major, considerations were given to the achievement of 6 extremely high standards of product quality. A highly 7 efficient test and inspection system occupies almost a 8 third of the mill building. Modern ultrasonic and x-9 ray testing methods are applied. A brochure which is 10 attached to this submission outlines this facility and 11 its product in more detail. 12 Stelco is confident that it 13 is fully capable of discharging those responsibilities 14 which may be awarded to it in connection with any 15 forthcoming northern natural gas transportation system. 16 In conclusion, Stelco, with 17 its long history of involvement in the development of 18 natural resources and in constructing large projects, 19 is convinced that capabilities and appropriate 20 attitudes exist among Canadians which will allow for 21 the achievement of a project such as the Mackenzie 22 Valley Pipeline in a manner that will be socially, 23 environmentally-and economically acceptable to all 24 Canadians no matter where they reside. 25 Thank you, sir. 26 THE COMMISSIONER: 27 Thank you, Mr. Fisher. I wonder -- did you read the brief that 28 the Steelworkers' Union submitted to our Inquiry in 29 Yellowknife last fall? Did you have an opportunity? 30

Q So you were responding then to their assertions about the likelihood of Canadian manufacturers being hard to supply at that time? A Yes, we were going to rebut that statement. THE COMMISSIONER: Thank you	
Canadian manufacturers being hard to supply at that time? A Yes, we were going to rebut that statement.	
<pre>5 time? 6</pre>	
A Yes, we were going to rebut that statement.	
7 rebut that statement.	
8 THE COMMISSIONER: Thank you	
9 very much.	
10 (THE WITNESS ASIDE)	
MR. WADDELL: Mr.	
12 Commissioner, I would like to call next the brief from	ı
13 Bell's Corners United Church, Andrew Monteith.	
14 The brief will be given by	
15 Ms. Jane Thompson. While she is being sworn in, Mr.	
16 Commissioner, I have a phone message for Donald	
17 MacDonald of the Presbyterian Church. He can pick it	
18 up.	
19	
20	
21	
JANE THOMPSON sworn:	
23	
THE COMMISSIONER: Go ahead.	
THE WITNESS: Mr. Commissioner	,
26 this brief has been prepared by The Service, Outreach,	
27 and Social Action Committee of Bell's Corners United	
28 Church, Ottawa. On behalf of the 1,031 members of the	
29 congregation, we would like to extend to you our	
30 appreciation and to the Canadian Government for this	

opportunity to express our thoughts on the social impact 1 of the Mackenzie Valley Pipeline. We feel that this will 2 be the most momentous Canadian resource development 3 undertaking since the opening of the West. 4 Your Inquiry is making us 5 aware, for the first time, of the broader issues which 6 surround the exploration and resource development of 7 our last frontier. Broader issues such as 8 environmental degradation, wasteful use of nonrenewable 9 resources, material enrichment of one society at the 10 expense of another, and social disruption. Canadian 11 resource development, which is the subject of this 12 Inquiry is but a domestic example of what we see and 13 deplore going on globally, where affluent societies of 14 the West exploit Third World countries for their 15 natural resources. 16 No modern historian, nor any 17 well-read person questions that Latin America, Africa, 18 much of the Middle East and Asia suffered from 19 colonialism, now replaced by what is termed economic 20 imperialism. Though many benefits, such as medicine, 21 education, and economic development accrued to the 22 colonies., the net result in their view has been 23 negative. Despite the benefits, millions of people in 24 these lands are under-nourished, powerless, and excluded 25 from the possibility of having a just and decent living. 26 Through the United Nations, we 27 28 hear the Third World demanding a fair share of the world's wealth. We also hear voices from our own land 29

making demands. What are they demanding of us, and of

you, sir? They are imploring us not to repeat the mistakes of the past, not to exploit this last frontier for our material enrichment at their expense.

International Economic Order, which seeks to bring economic justice to the majority of humanity held captive by poverty and malnutrition because of the resource hungry greed of the minority of the world's peoples. Let not our apparently insatiable appetite for energy blind us to the pleas for justice by our native, peoples. It is time we listened to them, to try to understand what they are saying as they face this critical time in their history.

We have learned that since the arrival of the European, there has been a history of unjust exploitation of our native peoples. Treaties were signed which enabled us to get what we wanted with no regard for their needs and desires. Research, carried out by Rene Fumoleau indicates that the validity of at least two of the Treaties is questionable.

James Wah-shee points out that the Dene were made Canadians by decree and not by free choice. It has taken us centuries to develop a form of government, a way of organizing society and an educational system which, in the main, satisfies our needs. It seems logical that the native peoples also have developed over the centuries, a social order and a set of values which is right for them. However, we have automatically assumed that what is good for us is also good for our native peoples, but spokesmen for

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their various groups have told us that our way is not suited to their established traditions and way of life They have a right to say how their land should be used and to determine their life-style. We therefore support their claim for a just land settlement before any decision is made regarding the proposed pipeline. It is significant to note at this point, sir, that the similarity in content of briefs already submitted to you is unavoidable. news media, material from the Inquiry itself, and other 10 sources inform us of this momentous undertaking and the 11 concept that there must be fair play for the north. 12 We make no excuse for lack of 13 originality, we can only state what we believe to be 14 the truth. 15 16 We are fortunate here in Ottawa having access to the applications of both 17 Canadian Arctic Gas and Foothills, as well as the 18 transcripts of the community hearings and the first 19 part of Phase IV, concerned with the social and 20 economic impact. It is clear Eton the evidence of 21 Phase -- it is clear that the evidence of Phase IV 22 reflects a goal of justice, there is no other 23 interpretation. In weighing the evidence, we maintain 24 that the claims and desires of the native peoples are 25 valid. Therefore, we respectfully submit the following 26 recommendations: 27 1. That the Northern Native 28 Peoples receive a just land settlement mutually 29 agreeable to both parties concerned, with adequate

hunting, fishing and trapping rights, before any decision is made in regard to the proposed pipeline.

2. That the Northern Native Peoples obtain a significant voice in the decision making process, with regard to the exploitation Of natural resources, with fair royalties in return for any extraction of these resources.

3. That the Northern Native Peoples acquire the right to self-determination through new educational and political institutions.

We believe that these recommendations should lead to the establishment of a native peoples' nation, within Confederation, with such rights and privileges as are necessary to preserve their preferred way of life.

Mr. Berger, we are deeply aware of the far-reaching consequences of your deliberations in this matter. We are also aware, as Christians, that for justice to be given to our northern native peoples, sacrifice by southern Canadians will be necessary. We therefore support a policy of conservation of existing supplies of energy, and a cut-back in our demands for non-renewable resources, in order to prevent social, environmental and spiritual degradation which in the past has followed upon the exploitation and colonialization of many of the world's peoples.

We have a unique opportunity here in Canada to show the world that it is possible to break with the exploitive colonial practice of the past and deal fairly and justly with our native people.

1	As Christians, we believe in
2	the right of every man to live in freedom, with dignity
3	and self-respect. We have heard our northern peoples'
4	pleas for these rights and we support them.
5	We respectfully urge that in
6	the solution to this complex problem there will be, not
7	only natural justice, but social justice as well.
8	Thank you for this
9	opportunity to present our views. Thank you for your
10	kind attention.
11	THE COMMISSIONER: Thank you.
12	
13	(SUBMISSION BY BELL'S CORNERS UNITED CHURCH - JANE
14	THOMPSON - MARKED AS EXHIBIT C-571)
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16	(THE WITNESS ASIDE)
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18	MR. WADDELL: Next I would
19	call Mrs. Kai Reitan from Ottawa.
20	While she is being sworn in,
21	Mr. Commissioner, I should say for the people that have
22	arrived late, that we are still dealing with some
23	briefs that were left over this morning. We'll get to
24	them shortly, to their briefs.
25	Also sir, there are materials
26	of the Inquiry outside for any of the people of the
27	audience that wish to pick them up when they are
α	
28	leaving.
28 29	leaving. THE COMMISSIONER: Is the

MR. WADDELL: The P.A. is 1 2 working, sir. 3 MRS. KAI REITAN sworn: 4 5 6 THE WITNESS: My name is Kai 7 Reitan, and Mr. Justice Berger, this is a critique of the final report of the Transportation Corridor Study, 8 which was done by Pemcan Engineering Services for the 9 Gas Arctic Systems Study Group, and by the Canadian 10 National Railways on the Mackenzie Valley. 11 report that I took this critique from was dated 1971, 12 thus it's now five years old or nearly so. 13 My brief has nothing 14 whatsoever to do with Foothills PipeLine's proposal, of 15 which I know very little. This is strictly from the 16 17 Gas Arctic Systems Study Group. This brief was written 18 19 originally for the Lougheed Government in Alberta in They buried it. Since then, Dr. Russell 20 1973. Pendergast, who is one of Canada's leading economists, 21 22 has urged me repeatedly to present this critique to the Federal Government and to the public at large. 23 the lack of time, we're running late, I'm going to just 24 This brief is in three sections. 25 hit a few points. three sections are possible community changes. 26 this has been covered extremely well in the two days, or 27 the day and a half that I've been here. 28 29 The second point is technical and environmental considerations, which has just been 30

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touched upon in my hearing, and the third part is some comments on the capital costs section.

Now, I'm going to just hit mostly the technical and environmental considerations. At the beginning, it should be stated that because this type of transportation corridor has never before been attempted in such magnitude or in such an environment, that many of the figures and facts presented both in the reports and by me, can only be educated guesses, nothing more. From some experience in Alaska with Morrison-Knudsen, which at one time was the world's largest construction company in roads, highways t bridges, et cetera, in the accounting department, I have found that estimates given by engineers tend to reflect the fondest desires of their own hearts, and not necessarily do they take into account the facts at hand, if indeed they know enough of the actual facts before they begin. These engineers are not deliberately trying to deceive, not usually, but it must be remembered that they too are only human, and therefore subject to the same human errors as are the rest of us.

Generally, engineering errors can be attributed to the overlooking of some facts that seems minor at the time, but which turns out to be of major importance as the work begins. Other normal errors occur in estimating the geology of the area to be traversed. Usually this comes about through hasty surveying of some one section of the route, assuming that it is more or less correlated to some other

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section which it resembles closely, and which has been thoroughly surveyed, when the unpleasant surprise is discovered that this particular section has its own difficult peculiarities, and that none of these, or only some of them, were foreseen. Frantic manoeuvering then takes place to make up for this oversight. These manoeuvers are what cause gross cost increases in new ventures, such as the Mackenzie Valley Transportation Corridor.

A good look at the cost sheets of any construction company's books from only one project, and a comparison of these figures with the engineers' original estimates, piece by piece, will bear out some of the above statements. I truly wish that 1 had at hand the cost sheets used to prepare a project completed by Morrison-Knudsen on St. Lawrence Island in the Bering Straits on a site called Savoonga which was the name of the nearest Eskimo Village. During the time of this project, wage rates for this type of work, and particularly for this style of isolation, skyrocketed. The amenities seemingly deserved by the men subjected to this isolation, in the view of their individual unions, also skyrocketed, meaning that suddenly M-K was put in the position of having to hire a DC3, the smallest plane allowed to fly over that portion of the Bering Straits, to fly in a load of fresh lettuce and tomatoes for the saladstarved men, who had threatened a mini-mutiny unless this request was complied with. The cost of the round trip of the DC3 was \$2, 000.00 per trip. Several trips

 were made in just one season. This particular incident was only a minor case. The cost of long distance telephone calls for men unable to see their families at regular intervals were \$20, 000.00 per month or more., yet Savoonga was considered a relatively small job, The Mackenzie Valley Corridor cannot be considered small, in any light.

Another thing is the perverse mobility, and that means where men go out to a job, guaranteeing they will stay a certain length of time, are trained on the job, and then find they cannot hack it so they leave. You cannot tie them down and hold them there, therefore they must be allowed to go and new men brought in. They must again be trained all over again, now that's perverse mobility. Those costs will have to be built into the costs because they haven't been included yet.

Now for those of you who are following, I am switching over to page 3. Okay, now there's a small quote here from the Transportation Corridor Study that I just want to read.

"A Transportation Corridor would have a significant impact on all three levels of government. The inflow of southern construction workers, the possible establishment of a district headquarters at Fort Simpson and a major operating centre for pipelines at Norman Wells will increase the demand for government services. Community development planning, educational facilities and housing will be required. In addition, in-

creased staff will be necessary to monitor the 1 environment, protect the game resources and han-2 dle the increased transportation activity." 3 Now, this is the key sentence, 4 "The corridor development may require an alloca-5 tion of costs between the government and the po-6 tential users." 7 Now only the builders of this 8 pipeline require the services, yet in all probability, 9 we will be expected to pay for them in toto. 10 Now I am not going to carry 11 on too much in that vein. If you would like to turn 12 over to page 8, we'll get into the technical and 13 environmental considerations. 14 In the Preface of Volume I, 15 it is clearly stated that the chief reason behind the 16 building of pipelines down the Mackenzie Valley will be 17 to supply the U.S. market. The report seeks only to 18 justify this basic premise and to consolidate the 19 building of the pipelines with the building of roads 20 and/or a railroad, in the same corridor, in order to 21 22 cut the original expense and to service these 23 pipelines. 24 Please note that Pemcan was hired only to investigate the advantages, not the 25 disadvantages of such a corridor. 26 Two points immediately stand out in reading Pemcan's section on 27 the geology of the region to be traversed. One is that 28 only 255 holes were drilled, and then only to a depth 29 of 20 feet each, and this is less than one hole per

mile of the route along its entire length. Do the engineers really know what type of terrain they will be traversing?

The other point is that statements are made regarding the water drainage along this route, with the rather offhand comments being that generally it is poor. One must remember that this is in a region of discontinuous permafrost, where in the southern area the earth constantly freezes and then thaws again, and in the northern area, it is continuously more or less frozen. Again, having lived and worked in Alaska in this same type of climate, I am extremely apprehensive about whether sufficient plans have been made to take care of the spring breakup, and the terrific problems of water runoff that always attend this season of the year.

In the north, spring thaws are times of terror and immobility for those who live there. The earth becomes as a giant sponge, swallowing everything that does not sit on thick layers of gravel Even these thick layers are themselves eventually swallowed in one year, or two, or even three, depending on their depth and the type of soil under them and how the drainage is in that particular spot. Roads built on this spongy, slippery soil must have many, many times the layers of gravel for a base than would be used for roads anywhere in southern Canada.

The earth twists and turns, hills slide into the valleys ever so slowly, but the road goes along with them. Water oozes up from the

ground in huge quantities and carries parts of the road-bed with it as it seeks a lower level. The ground thaws at differing rates within a few feet, and-heaves up whole sections of the road-bed, high into the air, leaving gaps in this ribbon of gravel that cuts through the muskeg. Maintenance costs will undoubtedly be higher, or as high, as the original cost of construction over a period of several years. Who's going to pay for this?

Now the report speaks

knowingly of different types of gravel to be found along the proposed route, but buried in among this data is another offhand remark that most of this gravel is moderately to highly susceptible to frost. It's not the kind of gravel that one builds a road with. On page 1-3 of Volume I it reads,

"Granular materials are not common and are unevenly distributed. They contain little or no silt or clay sizes and are relatively unaffected by frost action."

Page 1-4 continues:

"Granular soils are most suitable for use as fill, but less satisfactory materials classed here as 'mixed grain size soils' can probably be used more economically with appropriate modifications to design or construction practice."

Not being an engineer, I will not attempt to debate the issue. But being a layperson who has driven over many of these roads over a number of years, I can mention one incident in particular. A

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226 mile road was constructed between Anchorage and Homer, Alaska, on the tip of the Kenai Peninsula, by a rival construction company, one riot so picky about the gravel they used as Morrison-Knudsen was. Our company was building up a spit out into the Bay at Homer, Ketchimak Bay, so I had several occasion to drive this stretch of road.

The most memorable drive took place just three days after the construction company sold the completed job to the State of Alaska. That is when the road is in the best condition it will ever be in. It took me 32 hours, five flat tires and many forays into the muskeg itself to avoid holes which had appeared in those three days that would have neatly hidden a gravel truck, not just a pickup. I had with me, luckily, the Chief Information Officer of the State, a friend coming: down for a visit, who was so appalled at the condition of this new road, that she saw to it that this was made one of the prime election issues in the forthcoming campaign.

The chief reason for all the roadbed problems was that fine gravel had been used, where very coarse to coarse should have been hauled in at greater expense, of course. An interesting sidelight to that election, the Governor who had allowed this to occur, lost by a slight margin, when he was thought to be a shoo-in. This fine gravel is merely washed away by the fierce action of water, and is not heavy enough to give a solid base when situated on shifting earth. It can be piled high and wide and,

deer, but the eventual action more closely resembles that of a sandy beach than of solid rock.

Now there's another incident that happened in Alberta in 1972, when the A.R.R., which is the Alberta Railroad, miles and miles of their track was just washed away and the railroad had to be discontinued for a long period of time while it was completely rebuilt, and that was this exact same problem.

In conclusion, it would seem that there are still too many unknowns regarding the terrain, the climate and geotechnical conditions along the route, to allow for this corridor's hasty construction. The designs have not even been fully worked out for the pipelines, and yet on page 1-25, it is blithely stated that the road could be finished in one and one-half years of all season work, and this for a 365 mile all-weather gravel surface road with all its attendant bridges over the rushing water.

These engineers must be eternal optimists to not have seen or mentioned the great natural barriers and phenomena that regularly occur in the far north. Man and his ways are insignificant by comparison to mountains, rocks, muskeg, tundra and the mighty rivers that must be crossed. Mosquitoes alone can drive a man mad in the summer, to say nothing of black flies and others of the insect world. Continual darkness in the winter months eats at one's sanity continuously. Spring becomes a mixed blessing -- it is welcomed for the light it

brings, but thoroughly despised for the immobility it imposes. Autumn is perhaps the best for it's harvest time for berries, the sun is still there, but waning, and the work pace is frantic to complete what must be done before snow covers the whole.

Of course, some sections of this new roadway are going to be easier to construct than are other sections, but this does not negate the duty and responsibility to plan well for those areas that will be especially difficult. Northern countries all around the world have run into our same problems, sometimes in little bits and pieces, but have we bothered to consult them about their successes and failures? You just mentioned that you had been consulting the Russian scientists and engineers.

Now, Norway has had a lot of experience with things going on in the north. I just came from there this past January. Finland has had a great deal of experience with climates much like our northern -- Northwest Territories, and I suggest that possibly they could be consulted,

Okay, one point only on the capital cost section, and that is that on page 1-9 to 1-24 of Volume III, they go onto the different points about building the four different types of roads. Now it should be noted that the "clear and grub" per mile figures for Group 1 roads, that's the worst, are just about equal to the total cost figures -- I'm sorry, number 1 roads are the best, number 4 are the worst. The figures for clear and grub on Group 1 are just,

about equal to the total cost figures for Group 4 roads. The analogy can probably be made that the Group 4 roads will merely be bulldozed trails across whatever terrain happens to be there.

In conclusion, I would like to ask some questions. Who will own the pipeline? Which market will it serve first, in case of conflict? Who will pay for maintenance of the line, of the corridor, of the roads? Who will clean up the mess left after construction? Who will clean up any spillage, and how fast and how thoroughly? Don't forget those pipelines, one's going to be heated and one cooled, and they're going to be shaken by the convolutions of the earth again, and these monitoring stations are going to be a long ways apart, and therefore their spillage will cover a rather large area.

Who will be the construction workers? Any natives among them, perhaps on a percentage basis, hired and trained on the job? Who will bring law and order and keep it? Will women, who will be very scarce in the north, will women be honoured or pawned, and who gives their word on this, and who will enforce it?

What about the inevitable inflation? How will the local people exist on their low cash incomes during this period of construction? Could not one member at least of every family already there be hired for the construction duration? Where will the money come from for all the increased government services to be needed? What about the

1	ecology of the region? Are the investigators being
2	bought off by the multinational corporations?
3	Who is doing the capital
4	planning from all angles, and the big question is why
5	are we building it at all? Do we need it? Perhaps our
6	whole way of life needs to be looked at and
7	reevaluated. Do we really need a pipeline, or were we
8	hoping to get a road out of it and now we won't, but
9	now the dollars look good?
10	We are supposedly a thinking
11	people that have ceased to bury our heads in the sand
12	or muskeg, and take a good, hard look at just what it
13	is we're proposing to do to our land, to our people,
14	and to our way of life.
15	THE COMMISSIONER: Thank
_	
16	you.
16 17	you. MR. WADDELL: Mr.
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17	MR. WADDELL: Mr.
17 18	MR. WADDELL: Mr. Commissioner, I want to thank Mrs. Reitan for
17 18 19	MR. WADDELL: Mr. Commissioner, I want to thank Mrs. Reitan for summarizing a long brief, and I tell her that we will
17 18 19 20	MR. WADDELL: Mr. Commissioner, I want to thank Mrs. Reitan for summarizing a long brief, and I tell her that we will
17 18 19 20 21	MR. WADDELL: Mr. Commissioner, I want to thank Mrs. Reitan for summarizing a long brief, and I tell her that we will file the complete brief, and we are doing that now.
17 18 19 20 21 22	MR. WADDELL: Mr. Commissioner, I want to thank Mrs. Reitan for summarizing a long brief, and I tell her that we will file the complete brief, and we are doing that now. (SUBMISSION BY KAI REITAN - MARKED AS EXHIBIT NUMBER
17 18 19 20 21 22 23	MR. WADDELL: Mr. Commissioner, I want to thank Mrs. Reitan for summarizing a long brief, and I tell her that we will file the complete brief, and we are doing that now. (SUBMISSION BY KAI REITAN - MARKED AS EXHIBIT NUMBER C-572)
17 18 19 20 21 22 23 24	MR. WADDELL: Mr. Commissioner, I want to thank Mrs. Reitan for summarizing a long brief, and I tell her that we will file the complete brief, and we are doing that now. (SUBMISSION BY KAI REITAN - MARKED AS EXHIBIT NUMBER C-572)
17 18 19 20 21 22 23 24 25	MR. WADDELL: Mr. Commissioner, I want to thank Mrs. Reitan for summarizing a long brief, and I tell her that we will file the complete brief, and we are doing that now. (SUBMISSION BY KAI REITAN - MARKED AS EXHIBIT NUMBER C-572) (THE WITNESS ASIDE)
17 18 19 20 21 22 23 24 25 26	MR. WADDELL: Mr. Commissioner, I want to thank Mrs. Reitan for summarizing a long brief, and I tell her that we will file the complete brief, and we are doing that now. (SUBMISSION BY KAI REITAN - MARKED AS EXHIBIT NUMBER C-572) (THE WITNESS ASIDE) MR. WADDELL: The next group
17 18 19 20 21 22 23 24 25 26 27	MR. WADDELL: Mr. Commissioner, I want to thank Mrs. Reitan for summarizing a long brief, and I tell her that we will file the complete brief, and we are doing that now. (SUBMISSION BY KAI REITAN - MARKED AS EXHIBIT NUMBER C-572) (THE WITNESS ASIDE) MR. WADDELL: The next group I would call is an Ottawa group by the name of "Ten
17 18 19 20 21 22 23 24 25 26 27 28	MR. WADDELL: Mr. Commissioner, I want to thank Mrs. Reitan for summarizing a long brief, and I tell her that we will file the complete brief, and we are doing that now. (SUBMISSION BY KAI REITAN - MARKED AS EXHIBIT NUMBER C-572) (THE WITNESS ASIDE) MR. WADDELL: The next group I would call is an Ottawa group by the name of "Ten

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THE COMMISSIONER: Yes, sir?

THE WITNESS: Mr.

Commissioner, we are grateful to you for enabling us to

share in this historic Canadian occasion.

Ten Thousand Days is the name of an Ottawa inter-church group, affiliated nationally with an organization, church organization, Ten Days for World Development, which has focused chiefly on the needs and aspirations of the socially and economically disadvantaged peoples. Over the past few years, we have become more acutely aware that we are the direct descendants of exploiters. We now realize, undoubtedly much less and much later than we should have, that the human resources of what are now the new nations, as well as those of our own native peoples, have been ignored for centuries. It is beginning to dawn upon us, with some agitation of mind and spirit, that at the critical points of human destiny, now for example, the contributions of the poor people are just as perceptive and just as essential for the unity, for the sanity and peace of the world as ours, at least.

We had an intimation of this fact at this Inquiry yesterday afternoon from a representative of our Canadian native community. I On this we are prepared to change our basic attitudes right to the roots. We shall be no better than one more colonial regime, and shall continue to deny basic rights to the first citizens of Canada.

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The legal battles preceding the settlement of the Inuit and the Indians in the James Bay area, the appearance of Minamata disease among Indians in Ontario and Quebec, and the various presentations of the native peoples to your Inquiry, sir, have all reminded us that we have a responsibility to support their demands for that kind of husbandry of resources that respects the rights of the first citizen of this country and the fragile Arctic ecology. Regrettably, the history of Indians in Canada shows that policies and programs apparently intended for their protection, have too often denied them the material resources adequate for the organic development of their natural way of life The implementation of the various treaties, in effect, may have restricted their choice, that is to say, either to retain their traditional socio-economic system and culture apart from those who now rule this country, or to participate in our economic system while at the same time, retaining their own social customs. We move on now to look at the stewardship of energy resources. The recent report by the Federal Ministry of Energy, Mines and Resources, entitled "An Energy Strategy for Canada", states that the "use of energy is essential to the attainment of a high quality of life in Canada". We question the justification for this statement, and we question also the proportion of Canadians to which it applies.

it apply to those who, because they live in areas of

high unemployment, lack the opportunity to work for the 1 income essential for subsistence needs of food, 2 clothing and shelter? Does it apply to the majority of 3 Treaty Indians, Metis or Inuit? Or does it apply 4 chiefly to those residents of this rich land for whom 5 home ownership and at least one car per family are 6 7 taken for granted? While it is beyond the scope 8 of your Inquiry, sir, we submit that the Federal 9 Government knowing that energy resources are 10 uncomfortably finite, should allocate sufficient funds, 11 through the Science Council of Canada or the National 12 Research Council to hasten the efficient development of 13 alternative renewable sources of energy such as tidal 14 power, wind, solar, biomass and geothermal energy. 15 16 Undoubtedly, much of the factual material which was discussed at the 1972 United 17 Nations Conference on the Human Environment, was 18 available some months earlier, for example, through the 19 production publication of Only One Earth, of which 20 Barbara Ward was co-author, an unofficial study 21 commissioned for the conference which met in Stockholm 22 23 in '72. Yet in 1971, the then Federal 24 25 Minister of Energy, the Honourable Joe Greene, told us that Canada had 923 years supply of oil and 323 years 26 of gas reserves. However, in 1974, reports from the 27 Federal Government indicate that remaining proven oil 28 and gas reserves will be exhausted in a decade. 29 30 We now ask the question, is

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there a real or a contrived energy shortage? We wonder whether the oil shortage-An Canada actually developed within three years, or whether the "potential shortage" in 1974 was, in part, a reflection of the concern of transnational oil companies with the successful campaign of the organization of Petroleum Exporting Countries to increase the world price of oil. We wonder too, whether the credibility of the oil industry may not be called in question by the following events, and we recall three 10 such events. One, in 1967, Imperial Oil Limited, an 11 affiliate of EXXON, made known its disapproval of 12 certain recommendations of the Carter Royal Commission 13 on Taxation, by announcing that it would suspend a 14 major exploration program in the Mackenzie Delta 15 16 pending the Federal Government's decision on these proposals. A few weeks later, the then Finance 17 Minister, the Honourable Mitchell Sharp stated that 18 there would be no major changes in the tax law 19 affecting resource industries. 20 Number two. In the fall of 21 1974, the Syncrude partners, that is to say, Imperial 22 Oil, Cities Service, Atlantic Richfield and Gulf, oil 23 companies with headquarters in the United States, were 24 able to use the fear of a shortfall in domestic oil 25 supplies to negotiate better terms from the Canadian 26 government. When Atlantic Richfield withdrew from the 27 project, the remaining partners stated that the project 28 would be abandoned, unless a new partner could be found. 29 The federal government, and the governments of Alberta 30

and Ontario responded with investment loans, tax concessions, depreciation allowances and provision of infrastructure for Syncrude, with a total value estimated at 1.5 billion dollars. Although this investment appears substantial, the investing governments do not exercise majority control in Syncrude.

Number three. The energy industry agreed to help explore the Arctic only because the Federal Government offered to form Panarctic, and provide 45 percent of the funds required. Panarctic now is a major influence in exploration of energy resources in the north.

We now speak briefly of job creation in the Arctic. The shortage of accessible energy resources is a major reason cited by the Federal Government and industry representatives for approval of a Mackenzie Valley pipeline. Another reason is the provision of job opportunities for the native peoples. But a pipeline would provide mainly pick and shovel jobs during the construction period only.

Construction of a railway, if the need for the transportation of Arctic gas is proven, could supply two-way transportation of people and goods, to as well as from, the north. Moreover, a railway could be a continuing source of employment for people in the north, and it might be less damaging to the environment, as indicated in a study by the Canadian Institute of Guided Ground Transport. The relevant study is entitled "Arctic Oil and Gas by Rail', dated 1974, and is available from the Canadian

Railway Labour Association. 1 The overall failure of 2 industry and government to create appropriate job 3 opportunities which could be integrated with the 4 traditional culture of native peoples is well known. 5 Given the gap between the technological requirements of 6 7 the oil and gas industry on the one hand, and the formal education of 11 native peoples on the other, few 8 job opportunities should be expected to occur for them 9 in the near future. 10 Finally, sir, our 11 recommendations. We recognize that the native peoples 12 have already in several settings presented to you their 13 positions concerning the proposed Mackenzie Valley 14 Pipeline. Our intervention is mainly to underline our 15 firm support for their position. 16 17 Ten Thousand Days therefore proposes that a moratorium of sufficient time be 18 19 provided: 1. To allow settlement of 20 land claims of native peoples in the Northwest 21 Territories as an effective step towards their 22 achievement of permanent bargaining power. 23 2. To enable research to be 24 conducted on the economic development of renewable 25 energy resources, such as wind, tidal, solar, biomass 26 and geothermal energy, in advance of any further large-27 scale exploitation of our northern resources, and 28 29 To ensure that any 3. proposal for a pipeline should be preceded also by

1	comprehensive environmental impact studies, conducted
2	and evaluated by agencies not themselves involved in
3	such large-scale exploitation of the Canadian north.
4	Thank you, sir.
5	THE COMMISSIONER: Thank you,
6	sir.
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8	(SUBMISSION BY TEN THOUSAND DAYS - DR. H. L. POTTLE -
9	EXHIBIT NUMBER C-573)
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11	(THE WITNESS ASIDE)
12	MR. WADDELL: Mr.
13	Commissioner, we have finished the briefs that were
14	left from this morning. We are not yet ready for
15	coffee, sir. I would like to proceed with some further
16	briefs.
17	The next three briefs, I will
18	call the first the Native Council of Canada,
19	representing the Metis and NonStatus Indians of Canada,
20	and secondly the New Democratic Party to be presented
21	by Mr. Stuart Leggatt, M.P., and then thirdly, Dr.
22	Herbert Schwarz, and then I'll call the rest of the
23	briefs after that.
24	The next brief then will be
25	from the Native Council of Canada, Mr. Fred Jobin.
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27	FRED JOBIN Sworn:
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29	THE WITNESS: Good afternoon,
30	Mr. Berger, ladies and gentlemen. My name is Fred

Jobin. I'm the Secretary-Treasurer for the Native 1 Council of Canada. 2 The Native Council of Canada 3 at this time would like to take this opportunity to 4 thank Mr. Berger for allowing us to give this 5 presentation. 6 It was late in the afternoon 7 of Monday, May 17th when I began to write and to 8 discuss this submission with a friend. I did not know 9 then that Nelson Small Legs had been found, dead by his 10 own hand. Nelson's brother was reported in the 11 newspaper to have said, and I quote, 12 "That when his brother, Nelson, had spoken to 13 the Berger Inquiry in Calgary last Friday, 'it 14 was the straw that broke the camel's back. 15 brother could see what was happening to the In-16 dians in the Northwest Territories. He could 17 see it's similar to what we had 100 years ago.'" 18 19 20 The newspaper report 21 continued, and I quote: 22 "Nelson Small Legs had warned the Inquiry of the 23 impact of the Mackenzie Valley Pipeline. ans would use violence as a last resort, if con-24 struction began before northern native land 25 claims were settled." 26 There is no doubt that this 27 28 competent, stable, extremely sensitive young man has 29 sent to larger society, a message from native people.

Here, Mr. Berger, is what I wrote that night before I

knew about Nelson Small Legs' communication, 1 At a recent meeting of the 2 Public Relations Society in Ottawa on Freedom of 3 Information, someone said, and I quote, 4 "Twenty years ago you would not have had the 5 Mackenzie Pipeline discussed, but a decision 6 would have been made with very little public in-7 formation." 8 9 This is probably a true 10 statement. One of the most important reasons that it 11 is a true statement is because today we have citizens' 12 groups which we did no have 20 years ago. We had 13 citizens' groups 20 years ago, but they did not have 14 Today, those groups have increased much influence. 15 their membership and their drive to be heard, and this, 16 we believe, reflects the changing values and the 17 changing awareness of people throughout Canada. 18 19 Native people have organized themselves and are speaking out more than some other 20 The reason is because native 21 segments of the society. people really do have something to say. Today, there 22 are more and more people, leaders, academics, ordinary 23 citizens, who are saying much the same type of thing as 24 native people have said all along. 25 A very astute government saw 26 this rising tide of concerned citizens and paid 27 28 attention. Indeed, it spawned something called 29 participatory democracy. Out of that scene of participatory democracy, which was highlighted in the

1968 federal election, came some policies and strategies 1 which resulted in programs such as the CORE funding 2 program for native associations and other groups. 3 The Organization of the Indian 4 Brotherhood of the Northwest Territories and the Metis 5 Association of the Northwest Territories, for example, 6 coincided with the beginning of planning for the 7 Mackenzie Gas pipeline in the Federal Department of 8 Indian Affairs and Northern Development, Energy, Mines 9 There was an information and Resources, and Environment. 10 program which disseminated the information available, but 11 what was somewhat shocking about the whole thing, was 12 that so much information was not available. 13 One of the pieces of 14 information included in that program was the information 15 that the government was considering whether to have an 16 Inquiry under the Territorial Lands Act. That decision 17 was made and you were appointed. You, Mr. Berger, have 18 insisted that certain information in the hands of 19 government and industry should be made available. 20 Moreover, you decided to hold hearings in all of the 21 settlements in the Northwest Territories, and the Yukon, 22 which would be affected by the proposed pipeline. 23 We know that there was some 24 very influential people who recommended against holding 25 informal hearings in the settlements. These decisions 26 of yours, in our view, gives two fundamental 27 requirements for what we refer to as participatory 28 democracy. First, citizens must have access to all the 29 information, and second, they must have the opportunity 30

to discuss that information and to give back their information and opinions, and thereby participate in the decision making processes in matters that affect them. You have paid very close attention to these requirements. Indeed, you have insisted on those two requirements, and we must commend you, because we believe that this is the first time that anybody has made a real adequate effort to create such a comprehensive participative process.

We know that flattery will get us nowhere, so now we come to the crunch. Will it do any good? We have seen what has happened with regard to off-shore drilling in the Beaufort Sea. We had access to some pretty good information on this matter, and although it was not a full scale inquiry, we took every opportunity to have our say.

We wrote to the Minister of Indian Affairs and Northern Development on the matter two years ago, urging him not to permit drilling. We wrote again a few months ago, reiterating that request. You may understand when I say that we have become so cynical, that we now believe that it matters little what your recommendations are. They will, of course, have historical value after the pipeline is built, and we have realized that the importance of our policies of greed consumption.

We have been unable to communicate to the politicians and bureaucrats of the Federal Government, our terror at the prospect of the destruction of native people in the Mackenzie Valley.

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I know that you have heard this over and over, but I believe this cannot be said in too many ways or too The process of social deterioration in the Mackenzie Valley has already begun, as a result of activities which have come before the actual construction of the pipeline. But something else has been happening. There has been a resurgence of hope because of the development of the Dene nation concept by the Dene people in the Northwest Territories. The Dene people concept has 10 been completely misunderstood, because of semantic difficulties, and because there is a difficulty in 12 getting certain people to think differently about the 13 world we live in. You, Mr. Berger, listened well to 14 the native people throughout the north and in the 15 south, and I believe that you understood what we are 16 talking about. I believe you will o your best to 17 communicate what we have said to the Government of 18 Canada, but will the Government hear? Will, the 19 federal bureaucrats hear and understand? We hope so, 20 because we are doing our level best to get the message 21 22 across in every peaceful way we know and can afford. 23 I suppose if I am to get the attention of the press, I should make extreme and 24 ridiculous statements like a certain public official in 25 Fort Whoop-Up, at the confluence of the Bow and Elbow 26 Rivers in the Alberta Foothills, I suppose to get the 27 attention of the press I would have to say the Metis 28 will take up arms and march again. Let's put this 29 perfectly clear. We do not have an Army, we do not

even have a large number of people ready to go underground and practice terrorism.

I don't know all the dynamics of how terrorists are born. I'm 25 years of age, and I find myself moving more and more towards a loss of rationality, or perhaps more properly., towards the development of a new rationality. Perhaps my more militant friends, who are at this point, relatively unorganized and undirected, are on the right track. Perhaps I am wrong for trying to work through the system and work to improve that system. If I cannot even make myself understood, if I cannot make somebody else understand how it feels for a whole people to lose everything, their land, their language, their culture, their spirits and souls.

When we talk about wishing to participate in the Canadian mosaic, and at the same time preserve our culture, we are accused of being separatists. Surely everybody knows that it is not the indigenous people of this land, the people who were here before any Europeans came, who are separatists. We came with the land, we are part of it. Why does the majority of society say we have no rights? Why, when everybody knows we use the land in a special and appropriate way? Obviously, it is because of the naked self-interest of people who don't know anything about enoughness, people who only know more and more of everything.

Sir Jeffrey Vickers talked about communication at various levels, in a

1	talk he gave to the Third World Symposium at Expo
2	'74 in November, 1974, he said, and I quote:
3	"Consider first the explosive extension
4	of our power to send signals. Within
5	my lifetime, we have moved from the
6	megaphone to the microphone; from the
7	earliest silent film to satellite medi-
8	ated T.V.; from the Howitzer shell to
9	the hydrogen bomb. Let us not forget
10	to include these last. Although
11	threats are a low form of communica-
12	tion, they are an ancient and increas-
13	ingly important one. The bomb at Hi-
14	roshima was designed primarily not as
15	an act to destroy a city, but as a com-
16	munication, to secure the capitulation
17	of an empire. Not all our acts are
18	also communication and they are often
19	more important as communication than
20	any acts."
21	In addition to the lowest
22	forms of communication, which he describes as threats,
23	he speaks about four other levels, bargaining,
24	requests, persuasion and dialogue. Sir Jeffrey pointed
25	out that each ascending level of communications
26	requires each party both to understand the other
27	better, and to trust the other better.
28	He said, and I again quote:
29	"Trust is the fruit of experience, slow
30	to grow, quickly destroyed. It is also

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destroyed not only by discovering deliberate deceit. It may also be eroded by discovering that the other is prone to deceive himself or simply by doubt about the rules to which the other is committed. Mistake and deceit are subtly related, but one's sense of trust is of pre-eminent importance. The parties must trust each other to desire and to seek to preserve or restore whatever degree of trust is needed by the level of their communications."

Sir Jeffrey does not recommend communication by threat and neither do I, but that kind of communication happens just about everywhere in the world. I'm not an advocate of violence, but if I am pushed to one side as a native leader, at say the age of 28, I will be forced to sit on the sidelines and watch more militant men take over. I'm going to have to make some decisions. I must decide whether to try to continue the fight in my own non-violent way, or sit and do nothing, hoping that the non-native majority will come to its senses and we can start over again. Or join the non-native majority in spirit, at least, and just go out and get everything I can for myself now, without thought about the future of my grandchildren, or join the militants and use violence to communicate. I will have to make that decision when the time comes, and the time is imminent.

We native leaders face 1 2 election each year. I face election or rejection at the end of this month. The settlement of Dene rights 3 is absolutely vital, because the building of the 4 pipeline, the building of the railways, the building of 5 the highways, the building of gathering systems in the 6 Delta, the off-shore drilling in the Beaufort Sea, the 7 building of a new airport, new towns and the 8 immigration of thousands non-native southerners, will 9 tear through the Mackenzie Valley like a tornado, and 10 rip the native people to pieces. 11 Out of that devastation, a 12 festering bitterness will grow, just as the P.L.O. grew 13 out of refugee camps of the Palestinians. 14 God help us if those are the 15 kinds of seeds that are sown in our country. 16 17 Mr. Berger, this is as far as I got that night, May 17th. I felt deeply that night 18 about those things which I said about violence as the 19 basic kind of communication. I kept hoping that what I 20 was saying was somehow not true. I wanted desperately 21 to put aside the knowledge I have, and cannot escape as 22 a native leader, knowledge about deep and dangerous 23 feelings of frustration felt by the people I represent. 24 What kind of communication 25 did Nelson Snail Legs make? It is certainly not a 26 threat, because the violence was against himself, nor 27 was it any of the other levels of communication 28 described by Sir Jeffrey Vickers. Perhaps it was the, 29 communication of an even higher level, a level which 30

our Prime Minister understands.

I just returned from the Habitat Conference in Vancouver, where the Prime minister said, and I quote: "We will thus have not only to tolerate one another, but to love one another in the way that will require of us our unprecedented desire to change." We believe that Nelson Small Legs was terrorized by the reality he saw. We believe he saw mankind going down the drain, unless we learn to understand and trust each other, or in Mr. Trudeau's words love each other, mankind is in deep trouble.

What Nelson Small Legs did, he did in the interests of all people, not just native people. Has anybody heard? If the Prime Minister heard, can he practice what he preached at Habitat? Can he take some action? Will he take some action, or does he just talk?

In the past few months, the Native Council of Canada has said very clearly to the government of Canada, that some action was required with respect to native rights and claims. We have asked for reaffirmation of the aboriginal rights of the Metis and Non-Status Indians in Canada, and as taxpaying Canadian citizens, we have asked for funding which would allow us to do the necessary research to further define these rights, and formulate our own claims.

We do not oppose the

pipeline, nor do we oppose all of the development that will follow, providing that there is a settlement of Dene rights and claims prior to any further developmental activities. If exploiters are allowed to undertake these large-scale activities in the Mackenzie, the native people of Canada will consider it an act of violence by the government against approximately one million of its own citizens. The native people are united on this issue.

I know that many people in southern Canada do not understand us when we describe developmental activities as violent acts. It is not possible for people in Montreal,, Toronto, Winnipeg, Calgary and Vancouver to experience first hand, the conflict which takes place when they send their construction armies into the hinterlands to take resources.

Many of the people in the dominant society who do not see the results of these actions are able to dismiss the whole thing by saying simply that anything which happens to native people as a result of these development activities, is the fault of native people themselves, because they are unable to instantly change and become like the developers. Where in the world is this expected of a group of people? Oh, there are a few places like Brazil, but we are in Canada, and we have a Commission of Inquiry, and we have an opportunity to, communicate with the public and with the government.

So we will say again what it

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is that we want for the Dene people of the Northwest Territories, and for all other native people in Canada who are threatened by action which will cause them big damage. The overall purpose of our struggle is survival. If the Dene people are to survive, they must have some control over the things that happen to them, including those things which they are constantly told are for their own good. Some of the worst things, that has ever happened to us were for our own good. We must decide what is for our own good, we must protect our own interests. History has shown us that past arrangements and existing arrangements have been totally unsatisfactory. We must have new structures which will allow the Dene people, for example, to have a land base and to run their communities in a way which, by their very means of operation, we will ensure a quality life and provide for development of their culture in directions which they chooses. Those directions will, of course, be determined according to our perception of reality. Naturally, we will be constrained by the reality of our minority position in the whole of Canada, but we will insist that we will make the decisions in those geographical areas, which we consider to be absolutely necessary for our survival. What I have just said applies to those vast areas of this country which are being, or 28 are about to be, exploited at an accelerated rate.

many other more developed parts of the country, which I

have said do not apply to land except in certain 1 specific cases where native people have lost their land 2 as a result of fraudulent dealings. In those 3 geographical areas, mostly in the south and in urban 4 areas, we are seeking access to communication and 5 educational facilities, and participative processes of 6 7 government, which will allow us to maintain and develop our own unique culture. We are diverse amongst 8 ourselves, but vis-a-vis the majority of society, there 9 is a great and growing unity amongst us in North 10 America and in the world. 11 The focus of attention is on 12 you, Mr. Berger, and your Inquiry, because here in 13 northern Canada we have two great issues coming 14 together. They are the rights of indigenous people 15 throughout the world, and the exploitation of the 16 biosphere. I do not believe that I am overstating the 17 case when I say that Canada's decision with respect to 18 the Mackenzie gas pipeline is a historic moment in 19 history, of not just Canada, but of all mankind. 20 We have lived under the 21 threat of a nuclear war since World War II. We have 22 avoided that terror, but there is another kind of 23 terror which may be even more threatening. 24 That is, if we continue to ignore human rights, including, of 25 course, native rights. And to ignore the fact of a 26 finite world, we may soon vanish from the universe as a 27 result of violence amongst ourselves. 28 29 Understand, I am not speaking here about armies fighting. I'm speaking about

violence within individual cultures, such as the so 1 called North American culture. North Americans must 2 now lock their doors, increase their police forces and 3 build bigger and better prisons to protect themselves 4 from their own people. In our tribal groups around 5 this country, we didn't have to protect ourselves from 6 7 our tribal members. For those North Americans who do not kill each other, it's quite possible the rest of us 8 will die from polluted waters, air and food, overuse of 9 drugs, and illness bought on by stress. 10 The elders among the Dene 11 people used to live to a ripe old Sage. Most of them 12 were wise, active, fun-loving, beautiful people. 13 Many of our young people would like to become such 14 elders. Can anyone blame us for trying to make that 15 possible? 16 17 Thank you. THE COMMISSIONER: 18 Thank you 19 very much, Mr. Jobin. (SUBMISSION BY NATIVE COUNCIL OF CANADA -- FRED JOBIN -20 EXHIBIT NUMBER C-574) 21 22 23 (WITNESS ASIDE) 24 MR. WADDELL: Mr. 25 Commissioner, could we adjourn now ten minutes for 26 27 coffee? It's being served in the lounge. 28 (PROCEEDINGS ADJOURNED FOR TEN MINUTES) 29 30

1	(PROCEEDINGS RESUMED PURSUANT TO ADJOURNMENT)
2	THE COMMISSIONER: Well
3	ladies and gentlemen, I'll call our hearing to order
4	and in the time that remains to us this afternoon,
5	we'll consider the views of those who will be speaking
6	to us now, so carry on Mr. Waddell.
7	MR. WADDELL: Mr.
8	Commissioner before I call the next brief, I'd like to
9	file two briefs with you. The first one is from the
10	National Union of Students and the second one is from
11	Edith L. A. Whetung, W-h-et-u-n-g, the City of Ottawa
12	and the Curved Lake Reserves, Ottawa, Band number 329.
13	I'd like to file that with Miss Butchinson.
14	(SUBMISSION OF THE NATIONAL UNION OF STUDENTS MARKED
15	EXHIBIT C-575)
16	(SUBMISSION OF EDITH L. L. WHETUNG MARKED EXHIBIT C-
17	576)
18	MR. WADDELL: The next brief
19	on our list is from the New Democratic Party and it
20	will be presented by Stuart Leggatt who is a Member of
21	Parliament for British Columbia constituency, New
22	Westminster. Mr. Leggatt?
23	STUART LEGGAT sworn;
24	THE WITNESS: Mr.
25	Commissioner, I must say it's a pleasure to be here in
26	front of you in these circumstances. I might say that
27	I have a fairly broad smile on my face today. I had a
28	Barrett button that I was wearing, but I wondered in
29	all the circumstances whether it would be appropriate
30	to continue to wear it. I didn't want to distract your
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Mr. Commissioner, distract your attention. 1 I might say that this brief 2 is presented on behalf of the New Democratic Party 3 members of the Federal House of Commons. We have taken 4 a little time to review the terms of reference of the 5 Commission and while we would have liked to have seen 6 7 the terms of reference expanded to some extent, we'll try to keep our remarks within those terms of 8 reference. But I hope Mr. Commissioner, you'll forgive 9 me if we deal with an alternate route the Alcan route 10 to some extent, and I hope there's enough ambiguity if 11 I could put it that way in the terms of reference that 12 I hope we can slide some evidence in about that, But it 13 is our position that the terms of reference should 14 clearly be expanded so there is no question that your 15 Commission is given full authority to investigate that 16 particular proposal which is presently before the 17 Federal Power Commission in the United States. 18 19 Now first of all, you've received a good deal of evidence which concerns the 20 impact which the proposals of Canadian Arctic Gas 21 Pipeline and Foothills Pipe Lines will have in terms of a 22 deterioration of the native social order and its values 23 and in terms of the fears of that community legitimately 24 has concerning their future, in the event that one of 25 these proposals proceeds. We therefore, firmly support 26 the principle of an equitable settlement of native claim 27 prior to the issuance of any permit for a pipeline, so 28 that native people may have an opportunity to have 29 control over and benefit from any development that may

1 | follow.

It's also our belief on a review of the evidence that the so-called beneficial impact of jobs for local people comes only as a very short-term benefit, and may result in long-term deterioration of the way of life of the people in the north. I might say that this position is firmly supported by our Member of Parliament for the Northwest Territories, Mr. Wally Firth who is presently travelling in his most extensive riding and is unable to be here, but wished me to express these views to you on his behalf.

We've also heard evidence concerning the environmental impact of development along the North Slope of the Yukon and Alaska, either along the coast or towards the interior skirting the Old Crow Flats. This is the weakest part of the environmental case put before you by Arctic Gas. A 48-inch pipeline and its attendant operation cannot pass through wildlife ranges of completely unspoiled nature, without serious and damaging effects. The fact that these lines would also pass across hundreds of traplines, streams and hunting areas is a clear disadvantage. The route would also proceed through several areas where rare and endangered species such as the peregrine falcon have their habitat.

The impact on the Porcupine caribou herd and the thousands of birds that migrate from the coast to molt, nest and raise their young would cause unacceptable and unpredictable impacts. This is particularly true since most of the routes you have

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before you would open complete wilderness and would open it irreversibly.

Even the post-construction activities from compressor station noise to operations and maintenance will add to the increasing clamour of progress in what was one of the last quiet and natural areas of our country. We believe therefore, that the impact, both social and environmental will he much greater than that predicted by much of the evidence so far presented. I have recently visited the Mackenzie Delta to observe the present developments and their impact and they are obviously at a beginning stage. At the present time, people working on the rigs are flown directly into Edmonton to avoid the social impact with the native community. It seems to me that that's stark evidence of the potential for social problems that will multiply immensely should either the Foothills or the Arctic Gas project proceed.

I'd now like to turn to the problem of northern development from a southern perspective. One thing seems to me certain. We do have time. Delays in the issuance of permits for rights-of way, and delays in construction of any project gives us an opportunity not only to carefully consider alternate proposals for delivery of northern energy resources. It gives us time to canvass alternate energy sources themselves: coal gasification, wind, solar, tidal power. These are all options that need further and fuller investigation. I hope you'll note that I did not mention nuclear power as a priority alternative.

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Arctic Gas and its supporters argue that there is an imminent need for gas in the Canadian market and they seem to have persuaded the National Energy Board to this position. I would suggest however, that two factors which undercut the case for haste in bringing gas to market have not been sufficiently considered in their judgment. First, the projection of demand are based on a growth of GNP that is exaggerated by at least two to three percent and this is There is no way that our based on our own research. economy will grow at the rate predicted and consequently, the demand for natural gas will be lower than anticipated. Secondly, the projections of supply ignore the fact that industry's prices for natural gas have spurred further southern exploration. The upshot is that our demand for natural gas should not require frontier gas, for roughly ten years after it's been projected. The problem of any project is to get underway quickly to avoid competition. That is surely a problem only for the companies. It's not a consideration for the Canadian people and certainly not for the people of the north. Other alternatives should be There's the possibility of polar gas, of canvassed. off-shore gas on the east coast, and last but not least, the Alcan route. Now finally, time gives to the residents of the south an opportunity to review their own 28 energy appetites and to consider the question of energy consumption, Professor Helliwell has made this argument

more eloquently that I on several occasions, but we 1 support it and I'd like to congratulate you Mr. 2 Commissioner for, to some extent, giving those of us in 3 the south an opportunity to look at the way we use energy 4 - unfortunately far too wastefully. 5 Some time ago, a Gallup Poll 6 indicated a growing desire of the Canadian people for at 7 fair and equitable settlement of native claims and 8 support for a complete and thorough investigation of 9 these applications. Sometimes I think the public is fax 10 ahead of politicians on this subject. There is a point 11 in this area however, where political reality does come 12 in. At the present time, Canada is as close to making a 13 commitment as it can to carrying U.S. energy sources to 14 the U.S. market. A pro forma treaty has been initialled 15 between Canada and the United States. 16 That brings me to the subject 17 of the Alcan route. This route is having a growing 18 popularity. It would bring Alaskan gas down the 19 Alyeska route to Fairbanks and ultimately tie into both 20 Alberta Gas Trunk and Westcoast Transmission. 21 would of course envisage building a pipeline for 22 Alaskan gas along the existing rights-of-way of Alyeska 23 Oil and the Alaska highway. The impact would be 24 restricted to areas that have already been opened up, 25 and where the damage has already been done. 26 Now, this route is not 27 without environmental and social impact, but it does 28 seem to us well worth an intensive investigation by 29 your Commission. Firstly, rights-of-way already exist

where damage has been done, and certainly the environmental impact for example of a highway is higher than either an oil or gas pipeline can be, and since the highway is already in place, it would certainly reduce environmental damage.

Secondly, such a route can justify any of the various sizes of pipeline that are being requested and our advice is that such a route could run at the same cost as current proposals because of the under-utilized laterals between Prudhoe Bay to the delta.

Thirdly, this route would have the advantage of a year-round ease of access, the other routes, of course, being severely limited by weather -- and would be much more feasible in terms of construction and maintenance.

Finally because of the existing projects that are already in place on the route, there is much more knowledge of the area. Therefore, the chance that contractors and operators would be surprised by unpredictable conditions would be less than in the case of the other proposals. I would point out that the entire field of northern project construction is in its infancy, and certainly there is no question that on this route there would be greater knowledge and less risk of unpredictable damage.

We are not suggesting that such a route does not have problems. What we are suggesting is that in our view, it appears to have less

problems than either the Foothills or the Canadian 1 Arctic Gas proposals. Certainly, I would think a 2 fundamental precondition of approval on such a route 3 would be complete and thorough hearings in the local 4 villages and the communities all along the route and 5 all over the area under your chairmanship, Mr. 6 Commissioner. We would not suggest the kind of 7 kangaroo consultations which were staged by petroleum 8 companies and by the Department of Indian and Northern 9 Affairs prior to the decision to drill in the Beaufort 10 11 Sea. A precondition to the approval 12 of an Alcan route must be of course again, the complete 13 settlement of native land claims, the general approval 14 of the residents and the natives, the general approval 15 of the entire population of the Yukon in that area. 16 17 The Alcan proposal is particularly attractive because it does not force on us 18 a U.S. continental energy policy. Canada would simply 19 he transporting U.S. energy resources to the United 20 States' market. 21 22 Let's face the reality that Canadians do not need by any standard this gas for many 23 years. Certainly all the reserves presently indicated 24 in the delta or the Beaufort Sea cannot justify a 25 pipeline. I don't believe the Canadian. 26 people will stand for a project that threatens the future of the 27 native people of the north and the environment of our 28 29 natural heritage. 30 I believe we have a chance in

Canada to display a new approach to the development of 1 one of the last frontiers of the world. Our record as 2 developers and exploiters of frontier land, up to this 3 point, has been insensitive to say the least. We as a 4 country have an opportunity to demonstrate to the world 5 that we can develop our north in a civilized and a 6 7 humane and perhaps a unique way. If I could paraphrase 8 something that you yourself have said Mr. Commissioner, 9 I believe the Canadian people agree that how we decide 10 to treat our north will say a good deal to the world 11 about the kind of people that we are. To simply 12 continue hellbent in a rush for spoils will do no 13 credit to us, and will cause future generations of 14 Canadians to look upon us with disdain. We now have an 15 opportunity to demonstrate to our future generations 16 that as a country, we have changed. We have matured 17 and we have learned some of the lessons of the past and 18 that we can now begin to live in harmony both with our 19 environment and with our native population. 20 Thank you. 21 22 THE COMMISSIONER: Thank you 23 Mr. Leggatt. 24 (SUBMISSION OF NEW DEMOCRATIC PARTY STUART LEGGATT -25 MARKED EXHIBIT C-577) (WITNESS ASIDE) 26 27 MR. WADDELL: Mr. Commissioner, I'd like to call as our next witness, the 28 29 Office of Native Employment brief, to be presented by Bill Shead. I wonder if I could speak to Dr. Schwarz 30

up here if he's here. 1 2 BILL SHEAD sworn; THE COMMISSIONER: Go ahead 3 sir. 4 5 THE WITNESS: Thank you. By way of introduction Mr. Commissioner, I'd like to 6 clarify my position in speaking today. I am of Cree 7 ancestry from Manitoba and have been in the Canadian 8 Navy for 20 years. Since September, '75, I have been 9 on secondment from the Department of National Defence 10 to the Public Service Commission as coordinator of the 11 Office of Native Employment. 12 13 The Office of Native Employment is an initiative of the Public Service Commission to 14 increase participation of native peoples; this is status, 15 non-status, Metis and Inuit, in policy and decision 16 making positions in the Public Service that directly 17 affect them, and ultimately the Canadian public. 18 19 In speaking today, I must speak as an individual. I cannot speak for the Office 20 of Native Employment but rather because there is such a 21 22 thing as an Office of Native Employment because of my association with that office, because of my native 23 ancestry and because I share the conviction of my 24 colleagues in that office that we as public servants 25 are primarily responsible to the native public of 26 Canada. In other words, we're involved in a system on 27 behalf of the native people. 28 29 The purpose of my brief today is to highlight the lack of participation by native people in

general, and the northern natives in particular and the decision and policy making processes affecting them and ultimately all Canadians. I will deal with the order of magnitude of that lack of participation. What this probably means in the context of this Inquiry, and what it should mean to all Canadians.

I have a number of background data sources and they are all on classified documents such as the Public Service Commission's annual report. In dealing specifically with the Northwest Territories and Yukon Territories, there is a wealth of information available published by the Advisory Committee on Northern Development, Department of Indian Affairs and specifically, there is a sub-committee of that major committee the ACND called the Sub-Committee on the Employment of Native Northerners.

Native participation in the public service will be my first sort. of kick at the can. The Public Service of Canada has approximately 72,000 officer level positions of which only 348 are held by native people. Of these, 80% or about 278 are employed by the Department of Indian and Northern Affairs. This would indicate that less than 0.5% of all officer positions are held by people of native ancestry. We estimate there are over 1 million native people in Canada: 280,000 status, 750,000 non-status and Metis, 18,500 Inuit. This is roughly 4% of the total Canadian Population. Even on a proportionate representation approximately 3,000 natives should hold positions in the officer categories of the Public Service of Canada.

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In many Departments directly servicing the native community, few natives are involve in these responsible positions. For example, National Health and Welfare, Medical Services Branch, Indian Health Service Program employs less than a dozen and a half natives in officer level positions. Yet that program employs several hundred public servants in the officer category directly serving the native public. There are several other such anomalies in the Public Service of Canada. In fact, I 10 am perhaps an example of such an anomaly. I am the 11 only naval officer in the Canadian Navy (regular force) 12 of native ancestry and perhaps only one of two non-13 white naval officers. Still sticking with DND, the 14 Royal Military College of Canada celebrates its 100th 15 anniversary this year and it has yet to graduate one 16 native. I use these examples not to be critical of the 17 Departments concerned, but to dramatize the absence of 18 native people in these areas of Canadian public life. 19 For the Northwest Territories 20 21 and Yukon Territories, the Government of Canada in 1968 22 set a goal to increase the number of natives in public service in the north to 75% by 1977. Examining the 23 data today, we see that less 14% of all the public 24 servants in the north are of native ancestry. 25 unlikely that they are going to make up the gap from 14 26 to 75% in one year. 27 28 Currently there is a study 29 being completed for the Public Service by Impact Research on "The Factors Affecting Recruitment of

Natives into the Public Service of Canada." This report 1 is due to be delivered at the end of this month. 2 being prepared by Impact Research headed by Tony 3 Belcourt, past president of the Native Council of 4 Canada. This report may be of interest to this Inquiry. 5 I'd like to move on to native 6 participation in other areas. This lack of 7 8 participation in public life that I've just indicated is mirrored in the professions and in industry as well, 9 In Vancouver before you sir, Bill Wilson asked the 10 question: 11 "How many Indian doctors do you know?" 12 well, we know of seven, as well as four lawyers, a few 13 engineers, two or three company executives and a few 14 military officers. The professional associations and 15 schools have very strict professional standards and 16 selection procedures. Effectively, they close their 17 schools and training opportunities to all but the rare 18 native person. 19 Unions tend to be very 20 21 protective of job opportunities for their members, and 22 generally fail to accommodate local manpower resources. I understand your Commission is specifically examining 23 the union issues. Additional comments here would be 24 redundant. 25 Employers or managers are 26 faced with difficult tasks to accomplish. Generally 27 they recruit the best manpower from wherever to 28 accomplish their objectives. They use the professional 29

associations and unions to ensure he has the best man-

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power available, but as a rule, he will not exploit his skill as a manager and accept the challenge of doing the job with "available" manpower.

Political parties in Canada, particularly the federal parties, have failed to attract participation of native people. There are two natives sitting as MP's, yet, there are several ridings in the northern parts of the provinces with a high proportion of native peoples, Those MP's who represent these areas and the parties, have few natives involved in the riding organizations. Few natives are employed by parties to help research positions and policies for the parties concerned. In the recent P.C. leadership race, one would have expected more than a few native delegates out of the 2,500 Canadians who chose the leader of the opposition. On a proportional representation base a total population on the base of the total population of Canada and the native population, one would have expected 4% of the delegates or 100 native delegates to have been involved in that voting procedure.

Given there is little participation by the native generally and by the northerners specifically in the decision and policy making areas of public life, the professions, the political arena and the other elite Canadian institutes, what can the northerners perception of himself and the south be? Surely sir, you alluded to the answer in your Corry address when you said:

"We may be imposing a colonial pattern of devel-

opment on our northland." 1 2 I will not only say colonial, but I will say racist as well. When the dominant 3 authority is not of the same race, surely the native 4 perception must include a concept of racism. 5 perception exists in the citizens of the north, then 6 certainly it exists for all Canada. As long as the 7 idea and concept is alive in someone's mind, it must 8 exist for all of us. Perception cannot exist without 9 the stimulus and we as southerners and Canadians 10 generally provide that stimulus. 11 The lack of significant 12 participation by the native people in the general 13 Canadian system and infrastructure indicates a failure 14 of our system and standards to accommodate them. 15 systems, standards, laws, etc., squeeze off native 16 participation. While the system was changed to 17 accommodate the Francophones, it has yet to change to 18 accommodate the native. What is more important, the 19 standards and the system or the people, their ideas and 20 a unique contribution to Canadian life? 21 22 This country was settled by Europeans to provide equal opportunities for 23 individuals and minority groups such as the Hutterites 24 and Doukhobors, just to name two examples. 25 Immigrants to this country 26 came here to get away from a class system. Are we 27 creating in Canada with our standards and our 28 conformity to the system, another class system? 29 case of the native people of this country, we only have

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an equal opportunity to conform to standards and systems we did not help to define. Will the country allow us to participate in a re-definition of goals, standards and systems? For example, will the Canadian Forces accommodate a new standard of hair length for native people? I say that sitting here with long hair. In World War II and in fact in wars throughout history, the convoy system was instituted for safe and timely arrival of a group of ships and their cargo at their destination. Canada played an important role in the trans-Atlantic convoys of World War II. It is paramount to the success of the convoy that it proceed at the speed of the slowest 13 vessel. In a naval analogy, the natives are the slow 14 vessel. Will the rest of the Canadian convoy slow its speed? If we as native people and the northerners specifically are sacrificed today, who will be left 17 sinking in the wake tomorrow? It will be only a matter of time before the whole of Canadian society is picked off one by one. 20 If the great Canadian convoy 22 is to survive, it is important that native people of Canada survive as native people on their terms. 23 Dene Declaration -- The Dene have asked to determine 24 their own destiny in the Dene Declaration. 25 This is a 61, cry for the convoy to slow down, The Declaration is 26 a demand for a meaningful role in determining the 27 future 8 of their lands and our country on their terms. 28 Every Canadian should support that demand for the sake 29

survival of the Canadian convoy.

1	Sir, what I have tried to
2	present to you is the importance to all Canadians of
3	your Commission. It will certainly tell us what kind
4	of people we are. In the fullness of time when the
5	anthropologists are examining the remains of Canadians,
6	the races in Canada will be considered as one, but it
7	will be the native who will teach the others how to he
8	indigenous to this land. If Canada will sacrifice the
9	northerners for the south in this round, Canada
10	certainly will become an endangered species.
11	Thank you sir.
12	THE COMMISSIONER: Thank you
13	very much sir.
14	(SUBMISSION OF BILL SHEAD MARKED EXHIBIT C-578)
15	(WITNESS ASIDE)
16	MR. WADDELL: I'd like to
17	call next brief Mr. Alan Salvin please.
18	ALAN G. SALVIN, sworn:
19	THE WITNESS: Yes sir. This
20	brief is to call your attention to two concerns that
21	appear to have been neglected in the published reports
22	of the matters brought to your attention.
23	The first is that the
24	exploitation of Arctic petroleum resources appears to
25	be premature. In the immediate future in the life span
26	of generations now alive, petroleum will become too
27	valuable for energy applications. Its future in the
28	most important role most certainly is as chemical feed
29	stocks. Northern petroleum, the only supply under
30	control of the Federal Government should be reserved
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for this purpose. 1 Immediate energy needs, until 2 publicly acceptable nuclear energy and efficient 3 primary energy technologies are available should be 4 filled by the oil which other nations are anxious to 5 sell. 6 7 This is relevant to your Inquiry since, if the point is accepted, the 8 construction of a pipeline should be deferred. 9 Deferral offers two prospects - that a pipeline built 10 for feed stocks may well be smaller, and that advancing 11 northern technology may permit a lesser social and 12 environmental impact. 13 The second part of this 14 submission concerns land rights. Please note, it's not 15 16 social or environmental rights or impact, because a lot has already been said about this. Given that a 17 pipeline is to be constructed in the near future, it is 18 submitted that construction should proceed without 19 consideration of any generalized land rights purported 20 to be held by the native population. Construction 21 conditions must of course be imposed to minimize and 22 hopefully prevent real changes in lifestyles 23 objectionable to those few natives following tradition. 24 This submission has two hinges: 25 26 The first is that the native population does not now, and never has, made such 27 effective occupation and use of the specific land 28 l required by any of the several proposed pipeline routes 29 as to establish a title thereto Certainly no such 30

right or title has been established as would deny the 1 necessary land to a licensed common use. 2 The second is that if such 3 title does exist, there are no grounds in logic or in 4 equity (or presumably in law) to apply a different 5 principle of expropriation in the north, than is 6 7 applied in the south. It would appear therefore 8 that only two issues should properly be considered in 9 the decision making process: 10 That of public necessity and convenience, and 11 That of minimal disruption. 12 Thank you. 13 THE COMMISSIONER: Thank you 14 sir. 15 (SUBMISSION OF ALAN G. SALVIN MARKED EXHIBIT C-579) 16 (WITNESS ASIDE) 17 MR. WADDELL: Mr. 18 Commissioner I'd call the next brief the Ecumenical 19 Citizens Group. This group is from Kingston, Ontario 20 and Mr. McLay will be giving the brief. Mr. David B. 21 22 McLay, M-c-L-a-y. 23 DAVID B. McLAY, sworn; 24 THE WITNESS: Mr. Commissioner, It's a pleasure for me to be presenting a 25 brief to a fellow 1956 Alumnus of U.B.C., and I'm sorry 26 27 I didn't know you at the time when I was at U.B.C., but I now know well of you. 28 29 I represent 17 people who worked together to draft a very short brief which won't

take me very long to read, and although it is said that an elephant was designed by a committee, our brief is not like an elephant in its size. It may be in its complexity, but we hope that it expresses our primary concerns in a very short way and what it doesn't say is maybe just as important as what it does say. We thought we should concentrate on central issues which affect us as people of the south.

I'm accompanied today by four carloads of people from Kingston. I wonder if they could raise their hands to signify which ones are from Kingston here? Thank you very much, and you will be hearing two other briefs from the Kingston group. I'm not exactly sure why I am speaking for the 17, because it's well known that I am only the second loudest mouth in our group, and the loudest mouth is here also, but since the other briefs are being presented by Anglican and Catholic people I think I've been chosen as a Baptist to give a more ecumenical flavor, and also give a sort of an a-b-c- of our position.

I did submit to your counsel a preamble and I don't intend to read that because it's much longer than our brief, but it does tell you who we are and why we're here and our record in the social action field over the past seven years ,But there is one thing that I would like to present to you which is at the end of that brief, because it represents a very large body which is also considering a resolution which is pertinent to this Inquiry.

The Baptist Convention of

Ontario and Quebec is presently meeting at Queen's University and on Saturday it will be considering the following resolution which was approved unanimously by its Social Concerns Committee. I have the authorization of the general secretary and the president of that convention to present this to you as something that will be presented on Saturday.

"Resolved that this assembly express its support to the native peoples in their efforts to obtain justice through recognition of treaty, aboriginal and other rights and through a just settlement of their land claims and request the Federal Government and the appropriate Provincial and Territorial Governments to halt planned development until aboriginal claims are settled, and to initiate negotiations on the land claims issue without prior conditions."

That will be presented on Saturday afternoon. I'm sorry that I will not have not have that vote on that, to present to you, but if past resolutions of this type are any indication, it will be passed unanimously.

Mr. Commissioner, our brief was distributed to the churches in an informal way and without pressing the matter, 11 churches have responded with a number of signatories and I've brought them to present to your counsel. There are well over 350 names that have signed quite voluntarily knowing what the consequences of this are, because the last paragraph expresses some commitment and I am also including a poetic expression by one of our delegation who has

1	expressed her thoughts in writing.
2	I will now read our very
3	brief and short brief and let others take the floor.
4	We, an Ecumenical Citizen's
5	Group of Kingston, present the following:
6	Our basic concern is that the
7	Federal Government make a just settlement of the land
8	claims of the native peoples and thereby respect their
9	rights as landholders.
10	The timing is crucial.
11	Time must be given to ensure
12	the participation of native peoples in all future
13	northern development, including the Mackenzie Valley
14	Pipeline. Opportunity must be given the native peoples
15	to maintain and develop their own culture.
16	Time must be allowed for
17	adequate research made public to ensure a safe
18	environment.
19	Time must be given for the
20	real energy needs and resources to be identified and
21	made public before the Mackenzie Valley Pipeline is
22	installed.
23	We should delay as long as we
24	can the exploitation of nonrenewable resources, and
25	this is the important point that the signatories have
26	committed themselves to.
27	Therefore, we commit
28	ourselves to making the necessary sacrifices.
29	We petition the Berger
30 l	Commission to persuade the Federal Government to take

account of the concerns herein expressed. 1 2 Thank you Mr. Commissioner. 3 THE COMMISSIONER: Thank you Thank you very much. 4 (SUBMISSION OF THE ECUMENICAL CITIZEN'S GROUP D.B. 5 McLAY - MARKED EXHIBIT C-580) 6 7 (WITNESS ASIDE) MR. WADDELL: Mr. 8 Commissioner, I wonder if could hear now from the Roman 9 Catholic Archdiocese of Kingston, Ontario. They have a 10 short brief as well. 11 12 WILF WILKINSON, sworn; THE WITNESS: Mr. Justice 13 Berger, my name is Wilf Wilkinson and I am the 14 president of the Pastoral Council of the Kingston 15 Archdiocese and it's on their behalf that I deliver 16 this brief to you. I would like to start by not 17 apologizing for the fact that our brief is repetitious, 18 and because it is repetitious, inasmuch as the 19 conclusions that we have reached in many, many cases 20 are identical to those of groups similar to our own. 21 22 I would like to say that 23 those conclusions have been reached because almost nine months ago, the whole question of the rights of the 24 northern people and the development of the north were 25 submitted to our Social Action Committee of the 26 Pastoral Council for study during the year 1975-36. 27 They did study it and they did come in with many, many 28 recommendations that were passed on to the various 29 parishes that make up the Archdiocese of Kingston and

represent the 55,000 Catholics who live in that general area.

In addition to that, this Committee called together a seminar of business people, men and women, and professional people to discuss the whole question to try and find out. The repetitious recommendations that we are making were arrived at after much discussion between people who did not necessarily share all those concerns; people who felt that the whole thing was unnecessary bit who, after hearing some o the facts and after having spent some time in contemplation have come to these conclusions. It's amazing to see the interest that people suddenly develop. It was embarrassing sometimes.

I remember at our own annual meeting when, after the brief was being presented to the representatives of all these parishes on a nice sunny Saturday afternoon, somebody wanted to know why all the lights were on in the building, and why hadn't we turned them off, and certainly resolutions were passed immediately that in the future that All meetings with people coming would have to be by shared drivers, and no longer could we afford the luxury of everybody driving assembling 55 cars down to a single meeting — in many cases, 60 and 70 miles away.

So, the impact was that people, as a result of the work of the Social Action Commission, as a result of the seminar, and as a result of their discussions and we thought were starting to get

the idea that something had to be done. Therefore there 1 again without apology to the fact that the 2 recommendations are repetitious, I would like to just 3 read quickly our also quite short brief. 4 The Diocesan Pastoral Council 5 6 of the Roman Catholic Archdiocese of Kingston, Ontario wishes to present this brief for your consideration on 7 the subject of development in the Mackenzie Valley which 8 attempts to summarize our concerns, convictions and 9 recommendations. 10 Demands for immediate action 11 on the Mackenzie Valley Pipeline seem to have been 12 prompted by the latest figures detailing the supply of 13 oil and gas available to Canadians. The wide 14 divergence between the 1968 and the 1976 estimates of 15 supplies available have not in our opinion been 16 satisfactorily explained. Independent assessments 17 indicated that there is a potential of 34 years supply 18 of natural gas south of the 60th parallel. 19 Any action on the Mackenzie 20 Valley, in addition to being the- providential answer to 21 22 a projected need for supplies for southern Canadians, will have tremendous implications for our native peoples 23 of the north, implications for their future way of life, 24 their survival, their culture. Furthermore any action 25 by southern Canadians will reflect on our capacity to 26 dispense true justice and to respond with humanity and 27 integrity to a complex problem. 28 29 Canadians have an obligation

in the development of the Valley, first to be as just

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as possible to the native of the north and second, to exert a stewardship over the natural resources of this last Canadian frontier that is both responsible and honorable.

We urge that for the most effective discharge of our responsibility, a moratorium of at least ten years on any action on the pipeline should be recommended by your Commission. Such a moratorium would permit Canada to:

- 10 1. Evolve a reasoned long-term energy policy,
- 11 2. Explore all possible alternative sources of energy,
- 12 3. Develop technology to minimize unavoidable damage,
- 13 both human and environmental which undoubtedly will be
- 14 caused by the development,
- 15 4. rapidly expand research on alternative sources for
- 16 the production of fertilizer so helpful and necessary
- 17 to the Third World which unfortunately would be
- 18 curtailed by a slow-down in oil production, although
- 19 not by gas production of course,
- 20 5. To estimate accurately how deeply excessive energy
- 21 costs will cut into the future funds available for
- 22 education, health and transportation.
- 23 6. Allow Canada to map gut a strategy that meets head-
- 24 on our present use of energy, a plan of conservation
- 25 for government, the private business sector, as well as
- 26 for individuals.
- 27 7. Adjust its thinking and attitudes of its citizens
- 28 from our present intemperate use to a more responsible
- 29 use of our resources.
- 30 8. Render informed, unhurried and thoughtful decisions

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including those decisions at the appeal levels on the
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   land claims of our native population and such decisions
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   should, in our opinion by a precondition "to any
3
   further development. And,
4
   9. Set in perspective through study and appreciation
5
   the moral and ethical values inherent in national
6
   development such as a genuine justice for all, a
7
   preservation of cultures, a cutting back of materialist
8
   c consumerism, and the rights of our nation's future
9
   generations.
10
                             We submit Mr. Justice Berger
11
   that only such a moratorium will provide the time
12
   needed to ponder, to perceive, to assess, to convert
13
   and to change national direction, the time each
14
   Canadian needs to re-think his or her role as a
15
   responsible trustee of the great unrenewable natural
16
   resources of the Canadian north held in trust not only
17
   for future Canadians, but for all citizens born and
18
   unborn of the planet earth. Respectfully submitted,
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   thank you.
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                              THE COMMISSIONER:
                                                 Thank you
22
   very much sir.
23
    (SUBMISSION OF THE PASTORIAL COUNCIL, ARCHDIOCESE OF
   KINGSTON - W, WILKINSON MARKED EXHIBIT. C-581)
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25
                              (WITNESS ASIDE)
                             MR. WADDELL: Mr.
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27
   Commissioner. I'd like to call the final, group from
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   Kingston, Mr. and Mrs. Studd, Alan and Betty Stud S-t-
29
   u-d-d.
30
                     F. ALAN STUDD MRS. BETTY STUDD, sworn:
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MR. STUDD: Mr. Commissioner, 1 2 we are here today as representatives o the Anglican Church of Canada, Diocese of Ontario which has its 3 center in Kingston and our brief is very brief as well, 4 and I think we'll just read it through very quickly. 5 We wish to show our support 6 of the policy of our national church and of the 7 interchurch project on northern development, Project 8 North in calling for a just treatment of Canada's 9 native peoples and of development of northern resources 10 based on a proper stewardship of these resources. 11 Christians living in southern Canada. we must be 12 willing to undergo a fundamental change in our 13 lifestyle in order to preserve our non-renewable 14 resources for our children and for our grandchildren. 15 16 We wish to make four points before this Inquiry. We are asking that opportunity be 17 given to natives for their full participation in all 18 development in the north. In order to facilitate this, 19 we are asking a complete halt to all northern 20 development, including the Mackenzie Valley Pipeline 21 and all oil, gas and mine al exploration until such 22 time as the native peoples have had time to fully 23 research their claims and until their land claims have 24 been justly settled. 25 As Canada's original people 26 they are full Canadian citizens and we believe that any 27 land settlement should, include the possibility for 28 greater self-determination and the ability to develop 29 their own programs for economic development at the

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regional level. 1

fossil fuels.

We ask that the pipeline and development of resources be halted until the real needs of Canada for gas and oil pave been researched, formulated and made public. We are confused by figures turned out by the multinational corporations which show great discrepancies in the nation's future energy needs from one year to the next. Time must be given to fully investigate the available resources still in the ground and the needs of future generations of Canadians who 10 will not be able to survive without the use of our 11

MRS. STUDD:

We recognize that the northern environment through 3. which the proposed pipeline must run and in which exploration must take place is extremely delicate. urge that the pipeline not be built until such time as we, the people. of Canada, are assured that it is technologically safe and can be built without permanently damaging the ecosystem. To destroy this wilderness is somehow to destroy the best that is Canada. The comfort that the pipeline might bring to southern Canadians is not as important as the preservation of the vast Canadian wilderness.

- As Christians, we are willing to begin the education process needed to show the population of southern Canada that:
 - (i) Native land claims are just and that the question of northern development involves elements of our own greed, and that natives must be

allowed to share equally in all aspects of this 1 2 development. (ii) A fundamental lifestyle change is needed 3 in which we can o longer consume the majority of 4 the worlds resources and maintain a standard of 5 living that is sinful when seen in the perspec-6 tive of the rest of the world. 7 As members of the Anglican 8 Church, we have the means and the ability to begin this 9 education process. 10 MR. STUDD: 11 So Mr. Commissioner, in summary we stand firmly committed to 12 the cause of the Canadian natives in the Yukon, 13 Northwest Territories, northwestern British Columbia, 14 northern Manitoba, and wherever else they are seeking 15 justice. We ask that no further northern resource 16 development take place until their claims are settled, 17 and they are accepted as equal and very important 18 citizens of this great nation with the ability to 19 determine their own economic and cultural future. 20 This report proceeds from a 21 22 motion made the at the senate of the diocese last month 23 and yesterday it was approved by the executive of the 24 diocese. 25 Thank you very much. 26 THE COMMISSIONER: Thank you 27 very much both of you. 28 (SUBMISSION OF THE ANGLICAN CHURCH OF CANADA, DIOCESE 29 OF ONTARIO Mr. & MRS. STUDD - MARKED EXHIBIT C-582) 30

1	(WITNESSES ASIDE)
2	MR. WADDELL: Mr.
3	Commissioner I would like to hear now from Wilf
4	Wilkinson the Native Affairs Work Group.
5	MR. WILKINSON: I have
6	already spoken.
7	MR. WADDELL: Oh, I'm sorry.
8	I'm afraid it is Father Doe?
9	FATHER KENT DOE, sworn;
10	THE WITNESS: Mr.
11	Commissioner, as I came up here, I feel like I've been
12	waiting at Air Canada terminals.
13	I think I'd better preface my
14	remarks by telling you a little story because every
15	body's been sitting around so long. I'm reminded, Mr.
16	Commissioner, of Bill Shead who spoke a little earlier.
17	He warned me that my brief was a bit too preachy so it
18	will be very brief, but he did tell a story once which
19	is appropriate to the differences that we're
20	experiencing, I think, about a great engineer, with no
21	offence to the previous spokesman earlier this morning,
22	who made great speeches about engineering.
23	An engineer was up fishing
24	with a Cree in northern Ontario and the Cree was
25	paddling the canoe. He was the guide and the engineer
26	said to the guide:
27	"Have you had much education in your life?"
28	and the Cree said:
29	"Not formal education, no."
30	The engineer replied,

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"That's too bad, you've just wasted 20% of your
1
          life."
2
   A little further on as they paddled, the engineer said:
3
          "Tell me, do you read English or French?"
4
   The Cree said:
5
          "No, as a matter of fact, I don't read at all".
6
7
   He said:
          "You've just wasted another 30% of your life".
8
   Shortly after that, the canoe tipped over and the
9
   native person, the Cree said:
10
          "Pardon me, do you swim in cold water?"
11
   The engineer said:
12
          "No."
13
   He said:
14
          "You've just wasted 100% of your life."
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16
                              Mr. Commissioner, the brief
17
   is already submitted to you. I'm just going to read
   some highlights because it's getting late.
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                              First of all, we're grateful
   to have chance to speak at this Inquiry, this Native
20
   Affairs Work Group for archdiocese of Ottawa.
21
22
                              Some of the basic
   assumptions, there are six of them. I'm going o only
23
   read one of them. It's the last one, and the
24
   assumption based in this brief is that the societal and
25
   cultural and economic belief system of white man
26
   cannot, in the spirit of justice and fair play, manage
27
   the life and the resources of the north.
28
                              I have some background material.
29
   I'm just going to read some of the observations that this
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| brief brings to the Inquiry.

The Mackenzie Valley proposals come into a setting that is filled with apprehension and mistrust. There is a stamped, well marked impression in the total experiences of native people that governments of the past and the present have not acted in a trustworthy manner. What rare and exceptional moments of integrity have been displayed, are blurred by the overwhelming evidence found in the histories of Treaties 8 and 11 that points up a long range plan to eliminate native people, by cultural assimilation, by generational population decline and thereby free the resources rich land for development.

We believe that the land is already being developed by oil and gas corporations in concert with governments. We suggest that while the Inquiry is listening, other forces are at work in the north. We believe that the native leaders and the native associations of the north have had trouble communicating their ideas and we see some of the reasons as: Less money, less resources, less interest with respect to their story and its impact compared to corporation and government propaganda.

Witness recently, Mr.

Commissioner, the absence of good public media coverage of the listening conference in Geneva Park. There is confusion and uncertainty and impatience that persists in the difficulties arising out of two different cultures using one language. One only has to be with

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1 our native brothers and sisters to experience that 2 truth.

And then the last point, some native leaders appear highly motivated to remain silent. We have observed the Dene people call attention to their important concerns for land which has been an intimate and blessed companion for their This brief affirms the Dene Declaration as lifestyle. the best starting point of serious discussion about lard settlement issues. Although the Dene Declaration has been written off by high ranking government official and journalists as "twaddle" or irresponsible material or not even the Dene people's own words, we suggest Mr. Commissioner with due respect that the simplicity of statement contained in the Dene Declaration is of great worth for it has set free from the never-ending pages and baffling phrases so endemic in linguistic gymnastics that blossoms from government departments and their consulting friends all of which is ably substantiated in our historical records.

We do not observe a convincing position presented by experts or by authorities such as Arctic Gas, TransCanada Pipeline and other experts that resolves the technological environmental areas of debate related to a massive pipeline venture down the Mackenzie Valley.

There are other points there and I will finish up by a brief statement of proposals. This brief urges that support be given to the requests made by the native people that a favorable settlement

of aboriginal title be a priority and that all 1 proposals of development be founded on recognition of 2 the corporate interests of the people of the land. 3 That the public be given much 4 better in-depth reporting on the judicial and legal 5 findings of such persons as Justice Morrow and that 6 native people be given more room in the journals, 7 8 magazines and newspapers of the south to tell their 9 story, their way. That the Inquiry into the 10 proposed Mackenzie Valley Pipeline be encouraged to 11 capture the vision and hopes that run much deeper than 12 the pros and cons of industrial giants crushing a 13 little pathway some 2,000 miles along the Mackenzie 14 Valley whether or not such a pipeline is "worth it". 15 Surely by now the voices are being heard and the land 16 of the north is fragile and tough. It is unique and it 17 is a precious gift deeply respected by generations of 18 19 its inhabitants. Then the summary, in 1967 the 20 21 General Synod of the Anglican Church of Canada produced 22 a document on the subject of Anglican involvement among the native people in Canada, and well may do that Mr. 23 Commissioner for our part in both hurt and blessings 24 for them. Part of the contents was an apology for the 25 hurt and the damage done to the dignity and sense of 26 worth of native people. 27 By 1967, the Anglican Church 28

knew that with very often good intentions, the Gospel

of Christ, the work of the church which was brought to

the native people came decorated and clothed in a cultural garment made in the British Harold Cardinal maybe right when he holds the opinion that the church has done harm which is beyond repair, but with more than 1 1/2 centuries of the church among the native people of life among many communities of native people, it is possible that the mighty powers of industry and technology could learn a lesson from the spiritual cooperations of Roman Catholicism and Anglicanism. We are learning to listen. We are learning to share. We are learning to receive the gifts offered by the native people.

We who live in the south ought to be able to be deeply sensitive to the long-term effects of dramatic change by technology. Future shock is what we are now in. The might and majesty of the St. Lawrence Seaway, the great hydro project is, a case in point of local upheaval, and might I just say Mr. Commissioner whether the native people own the land or not, the experience of the Seaway Valley has no promise that we will not be expropriated.

Twenty years after the event in the Seaway Valley, local communities still burn with hurt and resentment where verbal and written statements by authorities came to naught. We have witnessed the almighty dollar cover up the shambles of human confusion and bitterness in James Bay, and we suggest that some fundamental issues are at stake and they are much more critical than gas propelled re-cycled metal or winter comfort zones of 70° in the homes of the south. We see

1 l	this Inquiry as a platform much wider than perhaps its
2	designers had hoped for. It is possible that the inquiry
3	and all the reports that are submitted from it to the
4	Canadian Government will be justly and carefully
5	received. We hope that it will be so.
6	We have heard, Mr.
7	Commissioner, the voice of native people speaking. Their
8	voice is a choir of prophecy, a litany of warning and
9	this brief is one sampling of we who live in the south
10	that gives assurance to our brothers and sisters in the
11	native settlements, the Dene, the Metis and the Inuit
12	communities that we support their call to justice.
13	Jesus said:
14	"Alas for you Pharisees. You who pay your tithe
15	of mint and rue and all sorts of garden herbs and
16	overlook justice and the love of God."
17	A lawyer then spoke up:
18	"Master,"
19	he said:
20	"when you speak like this, you insult us too."
21	"Alas for you lawyers also,"
22	he replied,
23	"because you load on men burdens that are un-
24	endurable, burdens that you yourselves do not
25	move a finger to lift."
26	"Yes, I tell you. This generation will have to
27	answer for it all."
28	Thank you.
29	
30	THE COMMISSIONER: Thank you

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Father.
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    (SUBMISSION OF THE NATIVE AFFAIRS WORK GROUP -- FATHER
2
   K. DOE - MARKED EXHIBIT C-583)
3
                              (WITNESS ASIDE)
4
                              MR. WADDELL: Well, Mr.
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   Commissioner, I don't know whether I should load upon
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7
   you any More endurable burdens, but we have one more
8
   brief from this afternoon.
                                I wonder if perhaps --
                              THE COMMISSIONER:
9
                                                 Well, I
   think that we could postpone that brief until this
10
   evening and we will be able then to consider it fresh
11
   once again, and it's almost five.
12
                                       I think we should
   adjourn until a little later.
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                              MR. ROLAND:
                                           Comme je l'ai
14
   indiqué ce matin nos reglements donnent à chaqune des
15
   compagnies de pipelines des meme qu'aux principaux
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17
   participants le aroit de réplicvuer aux mémoires
   préséntes cet après-midi.
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19
                             Les conseillers juridiques des
   sociétés demanderesses et des principaux participants
20
   m'onts signals qu'ils ne désirent pas exércer leur droit
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22
   de réplique.
                              THE COMMISSIONER:
23
   Waddell, will that film be shown this evening?
24
                              MR. WADDELL:
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                                            It wasn't
   scheduled but if there's a big demand, Mr.
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27
   Commissioner, we can arrange it.
                              THE COMMISSIONER:
28
   think that since our last session in Ottawa will be
29
   held this evening at 8 o'clock, the movie should be
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made available at 7:30. 1 MR. WADDELL: 2 I think at 3 quarter after seven we'll show it. THE COMMISSIONER: All right 4 then maybe this film will be shown at 7:15 and the 5 hearings will be adjourned until 8 o'clock. 6 7 Let me just say that we've had a useful day so far. We have heard from a wide 8 range of points of view. We heard from the vice-9 president of Stelco from the executive director of the 10 Science Council, from the president of the Professional 11 Engineering Association of Canada, from representatives 12 of many denominations, from the Native Council of 13 I found all of the briefs that were presented Canada. 14 very, very useful and very helpful, and let me say 15 in particular Mr. Shead's brief on behalf of the 16 office of Native Employment at the Public Service 17 Commission. 18 19 It's apparent to you all that we cannot hear all of you present your briefs in 20 21 public, because there simply isn't time, but you may be comforted by the fact that certain themes have been 22 struck during the hearing today that may well take into 23 the account the points of view that you intended to 24 offer to the Inquiry yourselves and even if not in your 25 own words, it may well be that the thoughts you 26 intended to express have indeed been brought before the 27 Inquiry in one fashion or another. 28 29 In any event, the important thing is, it seems to me that we've been here

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29 30 throughout the day. I've been learning from each one of you who've spoken and what may be just as important, if no more important is that those of you who have been here throughout the day have heard the views of people that you may disagree with. But so long as you realize that it vital that we consider the views of those we disagree with, as well as of those we agree with, the hearing is worthwhile not only from my point of view, but I hope also from your own point of view. say that representatives of the two pipeline companies are With us throughout the day. Not simply their lawyers, but officers of those companies; representatives of Canadian Arctic Resources Committee, of the native organizations from the north are with us throughout these hearings in the south I should add that throughout our hearings in northern Canada, a representative of the Department of the Environment was with the Inquiry taking in all that was said when we were dealing with environmental issues and throughout the proceedings in the north and in the south, a representative of the Department Indian Affairs and Northern Development has been with us. So, the things that you re saying are being said to others besides me and let me repeat once again it's important, it seems to me, that you should have opportunity of hearing all points of view and I appreciate your attendance here, and we'll adjourn until 8 o'clock tonight. (PROCEEDINGS ADJOURNED TO 8 P.M.)

(PROCEEDINGS RESUMED PURSUANT TO ADJOURNMENT)

THE COMMISSIONER: Ladies and gentlemen, welcome to the last session of the Mackenzie Valley Pipeline Inquiry i Ottawa. The Inquiry, as you know, is holding hearings in the major centres of Southern Canada. We have spent 14 months in the Northwest Territories and the Yukon, and we've come to the major centres of Southern Canada in response to numerous requests we had from people like yourselves for an opportunity to be heard.

The Inquiry's job is to consider the social, environmental and economic impact of the building of a gas pipeline from the Arctic to the mid-continent, but our job doesn't stop there, we are to consider as well what would happen if an oil pipeline were built after the gas pipeline had been built. So we are examining the impact of an energy corridor running from the Arctic to Southern Canada and the United States.

There are two companies that want to build the gas pipeline. One is Arctic Gas that wants to carry Alaskan gas from Prudhoe Bay. That gas would be transported by a pipeline across the North Slope of Alaska, across the Arctic coast to the Yukon, across the mouth of the Mackenzie Delta, and there it would join a line carrying Canadian gas from the Mackenzie Delta in a trunk line that would go south along the Mackenzie Valley or Southern Canada and the United States.

The other proposal by

Foothills Pipe Lines is to carry Canadian gas from the Mackenzie Delta south along the Mackenzie Valley to link up with the Alberta as Trunk Line system and the TransCanada system, an through those systems to carry the gas to markets in Southern Canada and Eastern Canada.

Now, questions that relate to gas supply, Canada's gas requirements, whether Canada can afford to export gas to the United States, all those questions are for the National Energy Board to determine. That's their job and they're holding hearings now, coincidentally with this Inquiry an are looking into those very questions.

Our job, the job of this
Inquiry, is to study the consequences to the north, the
northern environment and northern peoples if we build
the pipeline and establish the energy corridor. It is
to enable the Government of Canada to make an informed
judgment on these vital questions, to make an informed
judgment, a judgment mindful of the consequences that
this Inquiry has been established. Our job is to
gather the evidence, to find the facts, to enable the
Government of Canada elected by the people of Canada to
make these choices, to enable them to come to an
intelligent decision.

So in view of the fact that proposals to build a pipeline from the Arctic are -- have come up, because of the appetite of Southern Canada for gas and oil, and because of patterns of energy consumption established by people like yourselves and

the industries that keep our country going here in 1 Southern Canada, we felt it was right to accede to your 2 requests to give you an opportunity to be heard on these 3 important questions. 4 So that's why we're here 5 tonight, and I'll ask Mr. Roland to outline our 6 7 procedure. Yes sir. MR. ROLAND: The 8 procedure that we will be following at this hearing 9 tonight and which we've followed consistently in all 10 the communities of Southern Canada that we've held 11 hearings in, is a procedure that was recommended by 12 Commission counsel and accepted by counsel for the two 13 applicants and all formal participants. It is designed 14 to be as informal and relaxed as possible, with a view 15 to allowing all those who wish to make submissions to 16 do so conveniently and comfortably. 17 Prior to coming to Southern 18 19 Canada the Inquiry published an advertisement setting out its hearing dates in a number of newspapers, 20 including newspapers here in Ottawa. 21 22 advertisement persons who wished to make submissions were invited to telephone or to write us by May 1st 23 indicating their desire to do so. 24 25 This request was made so that the Inquiry would be able to gauge the time required 26 in Southern Canada to hear submissions, and so that 27 our timetable in each community could be carefully 28 mapped. Persons who responded in writing or by 29

telephone to our advertisement were given appointments

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to make submissions before you, and it is that process that we have carried out for two days here in Ottawa, and are continuing here tonight.

I wish to emphasize that any other person or organization who did rot respond to our advertisement by May 1st but wishes to make a submission is entitled and encouraged to do so. may be done in one of two ways. submission in-writing may be made any time by writing to the Mackenzie Valley Pipeline Inquiry, Yellowknife, Northwest Territories. There is no necessity that a written submission meet any particular formal requirements. A simple letter setting out the matters you want to bring to the Inquiry's attention will be quite satisfactory. persons who didn't respond to the advertisement wish to make an oral submission, we will try to fit you in tonight if we have time. However, our agenda is quite full so that we may not be able to accommodate those who wish to speak here tonight.

I wish to add in order to encourage informality, that counsel for the two applicants and the participants have agreed that there will be no cross-examination of those making submissions unless it is specifically requested. In place of cross-examination counsel for each of the applicants and each of the participant will be allowed at the conclusion of this evening's session to make a statement not exceeding ten minutes about the submissions that have been heard here this evening.

Finally, sir, you will notice

and I say this more for the audience, you will notice 1 that persons making submissions are asked to give their 2 oath or to affirm. This is a practice that the Inquiry 3 has followed not only in the formal hearings in 4 Yellowknife, but at community hearings in each of the 5 28 communities in the Mackenzie Valley and Delta. 6 7 purpose of the oath or affirmation is recognition of the importance of the work in which the Inquiry is 8 9 engaged. With those short remarks, 10 sir, I would ask Mr. Waddell to call the first witness. 11 MR. WADDELL: Mr. 12 Commissioner, the first witness is Dr. Herbert Schwarz 13 from Tuktoyaktuk, and formerly of Ottawa. Dr. Schwarz? 14 He's been sworn in before. So while he's making his 15 way up here Mr. Commissioner, I'd like to file two 16 briefs. One is from Sally Buchan, who says she owns a 17 farm near here, Ottawa - Martinville, Ontario; and Dr. 18 A. Michrowski. I'd like to file these with the 19 Inquiry's secretary, Miss Hutchinson. 20 (SUBMISSION OF SALLY BUCHAN MARKED EXHIBIT C-584) 21 22 (SUBMISSION OF A. MICHROWSKI MARKED EXHIBIT C-585) 23 DR. HERBERT T. SCHWARZ resumed: 24 THE WITNESS: Mr. Justice 25 Berger, my name is Herbert Schwarz and I spoke here as 26 a private citizen, not influenced by any party or 27 political affiliations, and first of all I'd like to 28 thank you, sir, for the infinite patience with which 29 you've conducted these hearings, and the unprecedented

opportunity you have given to all Canadians right 1 across Canada, including even the most remote northern 2 settlements to speak out and to express their views on 3 the proposed Mackenzie Valley Pipeline, because the 4 issues at stake here are monumental and in the not-too-5 distant future will affect the lives of all Canadians. 6 I sincerely trust that our government will listen to 7 the views of the people concerning the proposed 8 Mackenzie Valley Pipeline and I also hope that this 9 isn't cynicism heard in certain quarters, perhaps at 10 this stage is unjustified. However, if our government 11 does not heed the measured concerns expressed by the 12 people at this Inquiry, then we'll exercise our 13 democratic options an in due come change the 14 government. 15 16 Mr. Commissioner, I live in Tuktoyaktuk, Northwest Territories, a small Eskimo 17 community and until recently very isolated from the 18 mainstream of Canadian life, Tuktoyaktuk is on the 19 shores of the Beaufort Sea and for a number of years 20 now I have been a witness to the unfolding of events 21 22 brought about by oil exploration in the Mackenzie Delta, and more recently in the Beaufort Sea. 23 I believe that some of these 24 events that I have witnessed have a direct bearing on 25 this inquiry, and consequently would like to talk on 26 some of the very recent social, economic and 27 environmental changes in the Mackenzie District of the 28 Northwest Territories with the Town of Inuvik and 29 Settlement of Tuktoyaktuk in particular. 30

However, it would be utterly 1 2 impossible for me to present a complete picture of all the changes that have occurred in the Mackenzie Delta 3 within the limitations of time imposed by this Inquiry. 4 I propose therefore to present a series of isolated 5 happenings in the chronological order which, when taken 6 together, will give a clear picture of what has 7 8 happened and is happening in our developing north. I'd like to present to you 9 Inuvik in 1972. We land at the modern airport of 10 Inuvik full of jets, Hercs, Twin Otters and choppers, 11 with the midnight sun blazing away while we run for 12 shelter from the swarms of mosquitoes sucking our 13 flesh, and elbow our way through a crowded lobby to a 14 taxi with a golden-toothed Greek in Canada only since 15 16 two weeks, who drives us along the narrow road in a cloud of choking dust past construction sheds, fields 17 of machinery, the hospital and blocks of buildings all 18 looking exactly the same, to the hotel in the centre of 19 town where countless taxis keep coming and going with a 20 crowd of natives on the parking lot pushing and 21 fighting and screaming with some teenage girls 22 soliciting the guys from the rigs, a good number drunk 23 24 and staggering. I run to my room and try to 25 get some sleep but cannot. There is a party next door 26 with oil men fresh from the field whooping it up with 27 the crazed-up girls, bangings and slammings and 28 beatings, glass shattering, and the drunken laughter 29 and swearing while I stuff the pillow over my head and 30

1 | cut them off.

I must have fallen asleep as I tossed and turned in the over-heated room, and then I hear a scuffle and moaning outside, so I pop my head out of the window to see two guys beating up a girl, and as she painfully lifts herself to her feet they knock her down. Time and time again she ends on the dusty ground littered with cans of beer and pop, with blood pouring from her mouth and the midnight sun blazing away on this crazy scene, as enraged, I yell and scream and throw a wastepaper basket over their heads, while the guys drag her by the hair and disappear like in a bad surrealistic dream.

In the morning I go visiting the few remaining friends in town; the place has changed. Everywhere the hardfaced strangers who do not smile as they pass you by, gone are the days when your doors are permanently open and now you never leave your stuff outside. Disconsolate, I walk the dusty streets full of pot-holes, the wooden sidewalks coming apart and pass my old friend, Alec, bent with sorrow, his son just clubbed to death in a vicious fight.

Cars everywhere whipping up the dust, heavy machinery crawling through the streets, and the ugly snakes of the utilidor pass under the new fire-trap buildings on congested lots.

The hospital is as ever short of staff with nurses working in the bars while crowds patiently wait for their V.D. shots and smears,

and somebody stole the golden ball from the monument in 1 front of the school... as the trumpeting wind from the 2 south sweeps across this northern land. 3 Mr. Commissioner, just before 4 coming south I was visiting with an Eskimo friend who 5 expressed his fears concerning the pipeline. 6 "I have," he told me, "two 7 8 young daughters. "They'll be on their own in a year or so, and what is going to happen to them when they start 9 constructing this pipeline? This settlement will be 10 overrun with swarms of construction workers from the 11 south, all making big money, many of them young and 12 drinking, and hell-bent on having a good time. With no 13 white women readily available, I fear for this 14 community, and I fear for my daughters." 15 16 The same man, Mr. Commissioned, also testified at your Inquiry. He told you how good 17 were the days not so long ago when he and his young wife 18 fished and hunted together. They missed some of the 19 modern appliances of today, but assuredly they were 20 happy. 21 22 I remember his young wife, Mr. Commissioner, one of the most beautiful and 23 industrious women in the settlement, and I never ceased 24 to admire the inordinate skill with which they all 25 functioned as a family unit in the harsh and difficult 26 Arctic environment. 27 I remember not too long ago 28 29 seeing the same woman at a hotel in a northern town, her face black and disfigured after a brutal beating, 30

completely oblivious of her surroundings following a 1 alcoholic debauch of several weeks' duration. 2 3 I assure you, Mr. Commissioner, that this is not just an isolated 4 incident, but I've no figures available, and I hate 5 numbers and statistics as they cannot possibly express 6 7 the extent of human degradation. However, some statistics do exist which throw a light on some of the 8 social changes in our developing north. 9 The Territories seem to offer 10 an ideal climate for venereal disease. 11 Medical authorities would 12 appear to spend an inordinate amount of time in the 13 curing and tracking down persons infected with 14 The incidence of venereal disease for the 15 gonorrhea. whole of the Northwest Territories was up 27% for the 16 first seven months of 1975 over a similar period of a 17 18 year ago. 19 The Inuvik region contributed much more than its share Q the Territorial average. 20 Cases reported and treated in the Inuvik zone were up 21 22 58% over a similar seven-month period last year, with 537 cases confirmed and treated to 339 confirmed cases 23 treated last year. 24 The Keewatin area of the 25 Northwest Territories shoed the greatest rise in the 26 27 seven-month period, increasing 83% over the past year. 28 The Baffin regions increase 29 was only a modest 12%.

I The preliminary figures for 1 2 1976 indicate again a dramatic increase in the incidence of V.D. in the Territories. 3 Mr. Commissioner, if we apply 4 these 1975 Inuvik percentages and figures for the seven 5 month period only, showing that one person in every six 6 was infected with Gonorrhea, and transpose these figures 7 on a per capital basis to a city like Ottawa, then this 8 city would have from 80, 000 to 100, 000 people suffering 9 with venereal disease. As a former medical practitioner 10 in this city, and a professor at the Medical School here. 11 I assure you sir, that this city would be a disaster 12 area, and a state of medical emergency proclaimed. 13 As to the 83% increase of 14 Gonorrhea in the Keewatin area, not even the American 15 occupation of Viet Nam can surpass these figures. 16 17 A strange analogy could be The attitudes prevailing among drawn in this respect. 18 the working force from the south, in many ways are those 19 of invaders in a hostile northern territory in which 20 everything goes; the invaders to derive utmost personal 21 22 advantages at the expense of the occupied people. 23 Now, I'd like to move to happy days in Tuktoyaktuk not too long ago, 1972. At that 24 time, a still fairly isolated community. In Tuk the 25 people are poor, and live from day to day. They don't 26 own any land or houses and yet, no one goes hungry here, 27 or without a shirt, as the others will invariably help. 28 In Tuk, if you need grub, you go visiting and help 29 yourself to what is there, and hunters bringing caribou

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meat or geese will share it with people in the village and muskox meat from Banksland, is free, with greetings from Sachs Harbour people, and after a whale hunt muktuk passes all around. If you have no place to stay, you simply squeeze in with the others, and when Jim had need of a dog team, Bertram helped him out and gave him a husky leader, and a wheel dog for good luck. people went out geesing and Bobby was stuck in town too broke to buy a gun, he was given one by Johnnie, and when herring started running in the bay, and nets were hard to come y, Silas the reindeer herder gave his net to old Adam. Moses' new washing machine is making rounds in the village, and this year, Freddie the hunter, one of the best ones from here, killed eleven polar bears on Baillie Island, but would not keep all the skins for himself, but gave half to the others, and never mind The Bay, paying thousand bucks apiece for these polar hides. And Eddie constantly "lending" money but never expecting to be paid: and a childless couple will be given a kid or two to keep them, happy, it would not be right t have too many while they have none at So amongst the Inuit, sharing is the order of the day, and you can demand things without loss of face, when life is crummy. But when the sun shines and your luck is in, with happiness and good will, you share your fortune with the others. But Tuktoyaktuk as I first saw it -- then a quiet, self-sufficient and isolated 28 settlement has not escaped the abrasive changes which followed the explorations and development which many seem to equate with human happiness I will illustrate my point with this story, and this is the Garbage Man of Tuk.

A young Eskimo with goodnatured laughter and joking carries on his shoulders piles of garbage bags from a row of new council houses and puts them onto a slow-moving truck.

To him the whole thing is ludicrous, and patiently he endures piles of stinking muck, as what he only wants is to save enough money for a down payment on a kicker to go whaling again in the sparkling Beaufort Sea. But, what he does not understand is that soon, whale hunts will be over and this stinking garbage truck is to stay here forever.

And when I say so what, the world will not come to an end if the Eskimo does not get his fun in chasing whales in the Beaufort, but it's not that simple.

At one time in Tuktoyaktuk, the whales used to come right to t\$ shores of the settlement, and hunters in their canoes and kayaks surrounded them and stampeded the herd right into the shallow waters of the bay where they killed off. Now, because of the increased activity in the Beaufort Sea, the whales are nervous and not easily approachable, and because of that the Eskimos need powerful outboard motors to keep up with them. And the Beluga whale is a must to a Tuktoyaktuk Eskimo; he does not kill it for sport but for its essential food value.

An average sized whale of about

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1500 lbs. will provide an Eskimo family of 5 with enough food for about six months. And when you consider that in the north, with the only exception of alcoholic beverages, the basic foods brought from the south, such as milk, eggs and meat, are at a premium, and Vitamin 'C' containing foods, such as fresh fruit and vegetables, are almost unobtainable and extremely expensive, then, and only then, one begins to realize the importance of whales in the economy of the coastal Eskimo. In winter time, deprived of their high calorie muktuk and whale fat, the people lose weight rapidly; they become weak and susceptible to infections. The same thing happens to the working dogs of the Eskimos in winter. The outer skin of the whale the muktuk, contains the highest content of the naturally occurring Vitamin 'C' in the world, and without it the Eskimos are prone to scurvy. In 1971, after an extensive seismic in the Beaufort Sea, only two whales were caught in Tuktoyaktuk and that year many Eskimos became ill and a number of quiescent Pulmonary T.B. reactivated, The Beaufort Sea operation by the oil companies pose a direct threat to the Beluga whale in the western Arctic and indirectly to the health of the Eskimo. A Beluga female will have a calf only once every 3 years and under idea. conditions, from 100 whales only 8 will be added each year to the herd.

young ones do not thrive in the cold waters of the Arctic

ocean and the shallow warm waters of Kugmallit Bay are in

this respect unique in the western Arctic.

Long term construction of man 1 2 made islands during the summer months in the shallow portions of Kugmallit Bay increased surface transportation, 3 prolonged summer dredging, underwater seismic testing for 4 gravel and hydrocarbons, hovercrafts, planes helicopters, 5 inevitably will drive the whale away from its calving 6 grounds and become inaccessible to the Eskimo. 7 Mr. Commissioner, the limited 8 time allowed for this presentation does not give me a 9 full opportunity to present the damaging effect of the 10 oil industry's operation in the last seven years on the 11 Eskimos and the fragile Arctic environment. But I'll 12 try to illustrate my point with these short stories 13 which speak for themselves. 14 Exterminate the Polar Bear: 15 16 In the last two years prolonged underwater seismic in Kugmallit Bay made herrings around Tuk disappear, so 17 the people have no fish and the dogs no feed. 18 remaining dog teams in town will soon disappear. 19 With no herrings the seals 20 have no grub. They've moved elsewhere, so there is no 21 herring and no seal, only the marauding Polar bears 22 frantically searching for the vanished seals. 23 And he guys on the rigs and 24 campsites in the eerie Arctic darkness stalked by an 25 everlasting fear of these crazed-up, hungry Polar 26 Thank God for the Eskimos and their Huskies. 27 bears. Out of the flood of application 28 for seismic with which the people of Tuktoyaktuk are 29 constantly bombarded, I would like to present this one.

And this is G.S. Submission for Seismic in the 1 Settlement of Tuk on the 20th of May, 1974. 2 "Members of the Hamlet Council we from the Geo-3 physical Service wish to project a new seismic, 4 this time a seismic through your settlement and 5 the bay. 6 7 In this seismic 75 pounds of dynamite 400 yards 8 apart, 100 yards from the school, the Nursing 9 Station, about 100 feet from the houses of Al-10 phonse Voudrach and John Steen past the cabin 11 of Margaret Mangelana; it will cut across the 12 bay and may disrupt things a little. 13 houses will vibrate, the ground may open up 14 here and there. Yes, there may be a small 15 landslide near the R.C.M.P. and dead herring 16 17 under the ice in the bay. 18 19 But that's O.K., as you guys on the Council must clearly see how important it is for the 20 Geophysical Service to link this seismic with 21 22 others on the tundra and in the open sea." 23 I only wonder how some of the captains of the industry who testified before me, how 24 25 they would feel, how they would have reacted, had somebody wanted to shoot off 75 pounds of dynamite in 26 front of their yard? 27 Tuktoyaktuk, 1975: 28 The herds of caribou that roamed this country, the geese that 29 moulted on the hillsites, the grizzlies on the tundra,

and multitude of seals, the whales inside the Harbour, 1 the runs of herrings in the Bay, all these land and 2 water creatures have pulled away from here. 3 Only the people remain, with 4 the bootleggers bringing in booze from Inuvik, 5 stupefying the senses of the adventuresome, and the 6 colossal games of bingo and poker relieving the futile 7 routine of menial jobs on oil rigs and in town, and the 8 bewildered young with nothing to occupy their time, 9 playing slot machines at the Igloo Inn, with little joy 10 for those disenchanted tundra nomads, settled in the 11 modern council houses while whaling, hunting and 12 trapping recede from their daily lives. 13 Lastly I would like to talk 14 about the more recent Industry's operations in the 15 Beaufort Sea, and this was written on the 15th of 16 17 August, 1973. From the air over the angry 18 19 Beaufort, I saw a flotilla of barges dotted with desperate men setting huge steel buoys with electronic 20 bellies for seismic work in the Arctic Sea. 21 22 They were placing these steel 23 buoys in the pressure ridge of polar ice, a constant moving mass of prehistoric glacial mounds, one part 24 over the water, nine parts below the surface of the 25 sea, a massive cruel thing when whipped by the 26 northwest winds, which nothing can defy, not even the 27 mighty Manhattan' the huge steel barges or the man-made 28 islands in the Beaufort Sea. 29

When it was pointed out to the

structural engineer from Calgary who is in charge of that project that he was placing this multi-million dollar equipment in jeopardy, he really didn't take heed of the advice and the monitoring equipment on these buoys worked for two days and then it ceased to work. On the 10th of September, 1973, Captain Swain, Explorer II was dispatched to Pullen Island and Herschel Island to salvage the remains of these electronic buoys.

I must say there is truly a serious concern amongst the scientists who, engaged in the Beaufort Sea research project, as to the safety of these manmade islands in drilling for oil.

In the last two years the companies went into great lengths to obtain the acquiescence of the Tuk people for the construction of these artificial islands in the Beaufort Sea. On many occasions, groups of Eskimos were flown from Tuk to Calgary, dined and wined, and instructed in the safety features of these man-made islands.

But in the summer of 1975, when one of these islands was severely undercut in a not too severe storm and 70, 000 gallons of fuel narrowly escaped from being dumped into the sea, the people were not informed and other summer disasters of 1975, last year, in the Beaufort were merely glossed over.

The specially constructed Imperial Oil Floating Dredge, the motor vessel "Beaver Mackenzie", cracked a plate and severely damaged by polar ice pack, had to be towed to safety. Two barges belonging to Dome Petroleum, adrift and eventually washed ashore.

The 18' feet in diameter caisson which Dome was 1 installing in the Beaufort Sea broke away and lost. 2 The Northern Transportation 3 vessel, "Knut Lang", with its four barges destined for 4 Prudhoe Bay had to turn back because of heavy ice. 5 The government research 6 7 vessel, motor vessel "Theta" damaged in polar ice. The Northern Transportation 8 Company vessel, motor vessel "Marjorie", motor vessel 9 "Radium Dew" stuck on ice. 10 And finally, the Canadian 11 icebreaker itself, "John A. MacDonald", damaged by ice, 12 barely made it to safety. 13 This summer the Dome Petroleum 14 drillships will operate in the vicinity of the polar ice 15 16 pack in the Beaufort. These drillships were not tested in the polar regions because as we were told by the 17 senior Dome official "They may get stuck on ice." And 18 the people of Tuktoyaktuk are apprehensive because the 19 series of events and mishaps described above in last 20 summer, in the summer of 1975, all happened in the 21 22 weather, which by local standards was not excessively stormy, with winds not exceeding 45 miles an hour. 23 24 I firmly believe, Mr. Commissioner and this is shared by all the coastal 25 Eskimo, that should we get the return of stormy 26 conditions which prevailed over the Beaufort Sea in 27 August of 1968, August of 1970, and August of 1972, 28 with the northwest blowing steadily for almost two days 29 at 75 to 100 miles an hour, that the oil industry's

Beaufort Sea Operation will be a disaster. 1 And in the event of an 2 ecological disaster the people primarily affected will 3 be the people of Tuktoyaktuk and other coastal 4 5 communities along the Beaufort in Canada and Alaska. Because the wage economy, 6 7 such a we understand in the south, does not apply to the majority of Mackenzie Eskimo. To begin with, there 8 is never enough of year round employment for all the 9 people and at the best of times the employment is 10 seasonal, and wages totally inadequate for subsistence 11 in the far north, with cost of goods and foodstuff 12 brought from the south being the most costly to any 13 other place in Canada. 14 The lifestyle of people which 15 16 evolved over thousands of years of living off the land is such that at the moment the Eskimos cannot compete 17 successfully with the working force imported from the 18 south, and because of that, they are dependent on the 19 land, the lakes, and the sea to provide them with 20 sustenance; and if these material advantages are being 21 22 taken away from them, they will starve. I thank you, Mr. Commissioner. 23 24 THE COMMISSIONER: Thank you, 25 Dr. Schwarz (SUBMISSION OF DR. HERBERT T. SCHWARZ - MARKED EXHIBIT 26 C - 586) 27 (WITNESS ASIDE) 28 29 MR. WADDELL: Mr. Commissioner, the next brief will be given by Susanne Loewen on behalf

of herself and six other people. 1 2 SUSANNE LOEWEN sworn: 3 THE WITNESS: Mr. Commissioner, 4 ladies and gentlemen, I am submitting this statement on 5 behalf of the following people: David Bell, Beth Hogan, 6 7 Maureen Hollingworth, Sharon Kerr, James Mitchell, Ian Sprott and myself, Susanne Loewen. 8 In December 1974, we were 9 enrolled as honours anthropology students at Carleton 10 University in Ottawa. In our fourth year seminar course 11 we decided it would be useful and of interest to work on 12 an issue of current concern. The result of this decision 13 was a study on the proposed Mackenzie Valley Pipeline 14 Project, and receiving support from our department, we 15 published a collection of papers entitled: 16 "Whiteout - The Mackenzie Valley Pipeline Proposal." 17 Although, and perhaps because 18 so much of this material is now dated, some of us felt, 19 as an interested group, that it was important to 20 register a statement to this Inquiry. This submission 21 does not necessarily represent the opinions of all the 22 people who worked on the initial project. 23 Our position is a preference 24 for no precipitous development in the north for the 25 purpose of resource extraction. The Canadian Government 26 should be doing more research in the field of alternative 27 sources of energy, such as the use of solar energy and 28 wind generators. The amount of research money currently 29 available in these two areas is pitiful in comparison to 30

the money being poured into the development of fossil 1 fuel energy sources. To commit our economy, our northern 2 environment and our national policy on aboriginal rights 3 to a mammoth proposal such as a gas pipeline for the 4 purpose of perpetuating our reliance on fossil fuels is 5 irresponsible considering the short-term nature of the 6 solution. The energy policy of this country should 7 8 reflect a long-term approach and not succumb so easily to pressures from industry and from the United States, 9 However, since the government seems predisposed to 10 developing the north, it is necessary to set certain 11 stipulations in terms of the prime importance of social 12 and environmental considerations. Development must not 13 be rushed. Since the building of a gas pipeline seems to 14 be a natural prelude to an oil pipeline, a permanent 15 highway and a railroad, the project has alarming 16 ramifications for the future of the north. 17 Most ecological studies of 18 19 the north focus. on three major problems: 1) the presence of ice-rich permafrost which increases 20 erosion when part of the terrain is altered, 21 22 2) the simplicity of the northern ecosystem, and problems which could result if key species are 23 eliminated from this ecosystem, 24 3) the potential dangers posed by development to the 25 animals which have traditionally been important to 26 native people -- caribou, seals, whales and geese are 27 28 prime examples, 29 The Arctic Gas proposal to build a pipeline along the north coast through the

Yukon the Northwest Territories and south along the 1 Mackenzie Valley would herald the gradual deterioration 2 of the environment in those areas. Along the north 3 coast, the pipeline would interfere with the proposed 4 International Wildlife Range. This proposal would 5 involve creating a wildlife range in the Yukon, north 6 of the Porcupine River, which would be joined to the 7 existing Arctic National Wildlife Range in Alaska. 8 Although at present Foothills does not propose to cross 9 the north coast, the Maple Leaf line runs through the 10 relatively undisturbed Mackenzie Valley. 11 which seems most logical in terms of long-term costs, 12 minimized environmental damage and social disturbance 13 is the Fairbanks Corridor. Recently the Northwest 14 Pipeline Corporation formally proposed to build a 15 pipeline which virtually follows this route. Although 16 much of the necessary background research has not yet 17 been done -- a factor which means more time would be 18 required to conduct studies, it is an important 19 alternative for several reasons: 20 - it is not dependent on the settlement of native land 21 22 claims, - it follows a corridor where social and environmental 23 impact has already been experienced in terms of the 24 Alyeska project and the Alcan Highway, 25 - it avoids the ecologically important North Slope and 26 therefore does not conflict with the proposal for a 27 wildlife range, and 28 - it could make use of existing facilities like the 29

highway, which would mean savings both in terms of time

and cost.

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If a pipeline is built it will be necessary to have a concrete regulatory authority to ensure that environmental and social concerns are sufficiently protected, This authority or agency should he comprised of representatives from the relevant government departments, industry and local communities, without being merely representative of one faction. this country there is too much division of authority within the Federal, Provincial and Territorial Governments to allow existing government regulations to form the basis of an effective monitoring system. would be too easy for an issue to become lost in the shuffle of ill-defined or overlapping authorities. appointed group must have the funds, personnel and expertise to effectively supervise a pipeline project or any development in the north.

The issue of paramount importance in this whole controversy is that of native land claim. As has been stated many times before in the southern hearings, land claims must be settled before any development takes place in the north. Hopefully, the James Bay Settlement will not determine the nature of future dealings with the native people in this country. It is our last chance to make a fair settlement, The much acclaimed James Bay Settlement amounted to a compromise virtually forced upon the Cree and Inuit of the James Bay area. The indigenous people were rushed into it by a provincial government not willing to wait and allow them their full judicial rights. The state of reserve Indians

in southern Canada is even worse. Our government's policy to date has shown an historical relationship with the native peoples ranging from neglect to exploitation.

We, as a group, would not presume to say exactly what the northern natives want in the event of a pipeline through the Mackenzie Valley. However, their request to have some say in the nature of development in this area does not seem outrageous.

It is important to remember that the native people of the country are not, by any definition, immigrants, despite a previous reference made to this Inquiry to this effect. They did not move to this country in anticipation of participating in a wage economy, at the risk of surrendering some of their own culture, as did our European ancestors. On the contrary, archaeological evidence has shown that natives have inhabited the north for as long as 30, 000 years. They did not ask for our interpretation of development and progress, and yet, we are now attempting to superimpose our cultural and economic values on these people.

In the face of development, the James Bay natives have tried to have some say in the way in which their land is being used. The people of north-western Canada are now trying by legal means to establish a claim to their land. Those who have always complained }out native people living off social services such as welfare and family allowance, should be encouraged by native peoples' attempts to manage their own affairs.

Thank you.

1	THE COMMISSIONER: Thank you
2	very much.
3	(SUBMISSION OF SUSANNE LOEWEN ET AL - MARKED EXHIBIT C-
4	587)
5	(WITNESSES ASIDE)
6	MR. WADDELL: Mr. Commissioner,
7	I call next upon the members of the Trinity United
8	Church, the brief to be given by Mrs. Mabel Christie.
9	Mr. Commissioner, I'd ask any people who are on the list
10	tonight who haven't given me a copy of their brief, could
11	they do that so I can get some of them reprinted. That
12	includes Mr. Shearer, Ms. Oulton, the Westboro United
13	Church, and the Baffin Region Inuit Association:
14	
15	MRS. MABEL CHRISTIE sworn:
16	THE WITNESS: Justice Berger,
17	I am speaking on behalf of 73 members of Trinity United
18	Church in Ottawa. We knew there would be plenty of
19	expertise from experts on both sides of this Inquiry, but
20	out of our Christian concern that justice be done, we
21	wish to offer this brief statement of support for our
22	native peoples in their demand for a fair deal in the
23	proposed development in the Northwest Territories, We
24	were late coming on the scene; we didn't meet the May the
25	1st deadline and we thank you for the flexibility and the
26	informality that you have shown as this Inquiry has moved
27	across our country.
28	Sir, we, the undersigned
29	members of Trinity United Church, Ottawa, Ontario, wish
30	to express our support for the native people of Canada in

 their demand for just settlements before any further development in the Northwest Territories.

We commend the Government of Canada for arranging and carrying out these hearings in all parts of Canada north and south. We regret that the native people were not consulted or were not listened to in such instances as the James Bay Power Project, the Mackenzie Highway and the Big Horn Dam on the North Saskatchewan River. We expect that the things that the native people and others in support of the native peoples are saying will indeed "be heard" this time.

We believe that Canada's native people are not against development per se, but want to be consulted when development is likely to affect their way of life so drastically. This, we in southern Canada take for granted. We know that if public opinion is strong enough, projects have been halted or at least delayed, for example, the Spadina Expressway in Toronto and the proposed Throughway along Tweedsmuir Avenue right here in Ottawa,

The native people of the north are the authority on their own way of life. To them, land is not something to be sold for dollars; it is part and parcel of their culture. We have no more right to try to tell them that they must change and how, than they have to tell us how we shall live.

One, we support their demand to be consulted and to be heard before any further development takes place, in the Northwest Territories.

1	Two, we support their demand
2	for just land settlements before any further action is
3	taken with regard to the Mackenzie Valley Pipeline.
4	Thank you very much.
5	THE COMMISSIONER: Thank you,
6	ma am. Thank you very much
7	(SUBMISSION OF TRINITY UNITED CHURCH - MABEL CHRISTIE
8	MARKED EXHIBIT C-588)
9	(WITNESS ASIDE)
10	MR. WADDELL: Mr. Commissioner,
11	the next brief is from Sudbury, Ontario, from Laurentian
12	University, the Native Studies Department. It will be
13	given by Dr. E. Newbery.
14	DR. E NEWBERY sworn:
15	JAMES DUMONT affirmed:
16	MRS. EDNA MANITOWABI, affirmed:
17	ARTHUR SOLOMON affirmed:
18	
19	WITNESS NEWBERY: Your Honour,
20	I am to be joined by other members of our department and
21	with your permission, we'll ask them to sit at the table.
22	THE COMMISSIONER: By all
23	means.
24	A Your Honour, we are
25	members of the Faculty of the Native Studies Department
26	at Laurentian University. I will introduce on my left,
27	Professor James Dumont, Mrs. Edna Manitowabi who is a
28	lecturer in the Ojibway language, and Mr. Arthur Solomon,
29	who is an elder consultant in our department.
30	We asked for permission for

three of our members to make brief statements. Mrs. Manitowabi has joined us. Perhaps it was a touch of male chauvinism that didn't think to ask her if she would like to do this but with your permission, I will just summarize in three brief points what I was going to say, to give time to her if she wishes to make a brief statement. If she doesn't, the time will be used by somebody else, I'm sure.

The three things that I wanted to say myself, you have heard many times before and incidentally, I would like to congratulate you on your patience in these long hearings and indicate my conviction that these hearings may constitute a real change; a real turning point in Canadian life.

So, the things that I want to say are things you've heard before. The first point that I wanted to make had to do with the matter of justice. I wanted to mention the promise of the present government in Canada of a just society and some fears about how that promise has been implemented, particularly in relation to the native people, and to summarize that with this statement.

We therefore urge and insist that the Canadian Government implement its promise of justice and proceed with no plans for exploiting the resources of the north without full consultation with and consent of its native people, no matter what the economic and political pressures or consequences may be, for no policy can be right in these matters which is wrong in relation to that prior and ancient humanitarian

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responsibility.

The second point I wanted to make has to do with justice to the land and to the creatures of the land. I observe that this is a concern of native people in the James Bay area and other areas of the north, as much as they have concern for the human beings there.

We therefore also insist that enterprises in the north which now and in the future are entertained by government or industry be brought to the bar of justice to the land and its creatures. Every consideration must be exercised in this regard and nothing done which in the judgment of those who live there may endanger the land, the sea and their creatures

My third point was responsibility to the future and I sum it up in this way. We would therefore encourage the steps our government has begun to impress this lesson -- the lesson referred to is one of greater simplicity of life and restriction in the use of our resources -- to impress this lesson on our people and we promise our support in bearing the immediate consequences of it in shortages of energy, in the disruption of industry, in personal inconvenience, until habits of greater simplicity are established. urge the far-sighted re-adjustment to such necessities through de-industrialization and the decentralization of populations, and through experiments in communal living for we are sure that unless we voluntarily accept the challenge to restraint and more humanitarian lifestyle, they will be imposed upon us and our children by

disaster.

Finally, we express the hope that the long and arduous process of these hearings will result in a new chance of life for the north and its peoples and also for our nation and even the whole planet.

WITNESS DUMONT: When I was asked to say something, to present something to this Inquiry, I really wondered, I think, as a lot of native people wonder whether the things that are presented to this Inquiry and that come out of it, will be listened to. There is a real question about the many commissions that are held to deal with very serious issues that seem to end up nowhere, and when I thought of that, I wondered about presenting something, but I am here with a presentation and I hope that somehow, out of all this that some one will listen.

We've had our ceremonies and we've sat in a circle and offered our prayers that what we say might be from our heart and might be the truth. If we're willing to do that, then perhaps those who sit in some kind of judgment or jurisdiction should he able to listen to what we have to say.

What I am going to present here isn't filled with any kind of statistics or anything, but it is -- you do have your own experts and they have already talked about the need to call into question the development that's taking place, and to consider the needs of the people in the area and the ecological consequences. Surely you should be able to listen to

your own experts and that if you can't listen to your own experts then nothing that I would be able to say in the line of statistics or facts and figures would influence you very much.

Also, if you're not willing to listen to your own elders when they call out for justice and when they ask for concern for the needs and demands of other native people, if you can't listen to your own elders then what I would say surely wouldn't be listened to either.

I don't come here as an expert or trying to fill in for one of your elders and give a lot of wisdom, but I do have something to say and if it doesn't seem to directly concern the pipeline and the figures and so on that go along with it, I hope that you will see in it something that is 11 a real concern for us and that has to do with the land the land is -- we as a people, our culture, o r people-, our whole way of life is directly related to the earth, to the land. Very simply, if you destroy the land then you destroy us; or once you have developed the machinery to destroy the land, then you've developed the same kind of machinery or you put the same kind of machinery into operation to destroy us as a people.

I'll simply read what I have presented here with the hope that it will be listened to, because really it's not entirely my own. I bring a message on behalf of someone perhaps who should be here, one of our elders.

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An elder from Manitoulin Island a grandmother now in her 80s, recently related a dream she had as a young woman. In this dream she was taken up to the sky and a voice told her to look in the direction that she had come; she was asked what she saw. Through the mist she could make out the shape of the earth. The voice then instructed her:

"That is where you come from. That is your mother. Go back and take care of her."

Since that time she has learned many things of the traditional beliefs and traditional ways. She has honoured her vision and cared for her true mother. She is now a grandmother to her people and is someone to whom the young can go and learn of the earth and of the creation and of the traditional ways.

In her elder years she had another dream. In this one she was, in her old age, leading a group of native people to the nation's capital. She was beautifully garbed in traditional native dress and leading a delegation to bring demands and a message to an important gathering in Ottawa. At the meeting itself there were many people of which the native delegation that she was leading was only a part. There were non-native people of all sorts there and various native groups. When she woke up she wondered how in her aged years she would ever lead such a delegation to such a distinguished gathering as this one.

It is my feeling that this meeting here today, the Berger Commission hearings in Ottawa, is that gathering. And it is my feeling that the

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way in which this grandmother of the native people can make her journey here is by having her message proclaimed to the people of Canada, that:

"We belong to this earth and we must live up to our responsibility to take care of her."

Now this may appear to be a strange way to introduce a brief to such a Commission as this. However, with the greater publicity of the expressions of the native people themselves through the media, as well as through recent books by more understanding authors, and so on, it must be obvious that there is a lot more to this land claims issue than treaty rights and just compensation alone. Native people who live in the various territories that have been faced with the question of development (Eastern James Bay, Northern Manitoba, and Northwest Territories) have been saying over and over again that we are part of the earth; the earth is our mother and we are relatives to all of creation. When native people are asked to surrender their land, or to make way for development of the land and its resources r encourage to alter their life patterns in relation to the land, a very important request and serious decision is being called for. Native people do not have the same concept of land ownership and view of the expendability of the earth's resources as those making the demands for the land, and those presently in control of the development of resources. The fact is:

"We do not own the land; it is not ours to give away."

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Native people have a special relationship to the earth.

It must be appreciated and accepted that the original native people of North America are the keeper of the land.

Now when we are faced with serious ecological-problems, with the ignoring of what treaty rights were supposed to have been guaranteed, with the threat of intrusion onto what lands and territories have been left to the original inhabitants, this whole question of land and relationship to the land is arising once again. With this recent pressure relating to land issues has cornea renewal of the awareness among native people of the unique relationship they have with the earth and of the original responsibility that they were given when they were placed here on this land. The feeling for the land is still, there; it has not been lost a: away by time and acculturation. And the sense of urgency for a sense of control and need for a direct determining of what decisions are made affecting the earth and its creatures and the people of the land is a reflection of this continuing concern for the earth and responsibility as caretaker to the land. This must not be forgotten or overlooked when judgments are being made concerning land settlement issues and determining of proper government of land development.

As considerations are being made, therefore, for the proper jurisdiction over the and in the 'Northwest Territories and responsible development of the communities and resources of the

- 1 north as a whole, attention must be paid to the
 2 following important matters:
- 3 | 1. Justice in determining appropriate response to
- 4 demands for recognition of treaty and aboriginal
- 5 rights.
- 6 | 2. Close attention to the petitions and counsel of
- 7 | native people of the north concerning northern
- 8 development and use of resources in these territories --
- 9 | even where this means attending to the concerns of the
- 10 native people and encouraging self-determination of the
- 11 native people of the Northwest Territories over and above
- 12 the pressures of an economic and political nature from
- 13 outside dominant forces;
- 14 3. Recognition of the special Status of the native
- 15 people (evident in the case of the people of the
- 16 Northwest Territories) and the fact of their co-
- 17 existence (with the full degree of original sovereignty
- 18 as nations of people) with other Canadians. With this
- 19 recognition should come an attempt to develop a healthy
- 20 and co-operative co-existence in this land with
- 21 encouragement of native identity and culture and
- 22 respect for the position of the native people that the
- 23 | land and freedom and autonomy on the land is vitally
- 24 linked with their survival, their identity and their
- 25 culture.
- 26 4. And importantly, awareness of the native peoples'
- 27 special relationship to the land and its creatures, and
- 28 of the sacred responsibility native people have toward
- 29 protecting and caring for the earth. All of North
- 30 America must listen to the pleas the original people of

this land for a respect for the earth as mother and a 1 union and harmony with her. Native people have the 2 ancient responsibility of being "keepers of the land", 3 but all North Americans are bound together in their 4 relationship to her and to all of creation. Unless we 5 listen to the pleas of the people of the earth and of the 6 earth herself, we will not be able to survive , or at 7 least we will jeopardize the quality of life for our 8 children and our grandchildren. 9 I ask of you to hear the 10 wisdom of this grandmother who indeed did come to 11 Ottawa to deliver her message of concern for the earth 12 and for her people. 13 THE COMMISSIONER: Thank you 14 very much. 15 16 WITNESS SOLOMON: Mr. Justice 17 Berger, we have deliberately kept these briefs very 18 short. There are many things that I would like to talk 19 about. Prophesies have been among the people of North 20 America, the original people for centuries before the 21 22 strangers came to this land. But I have deliberately kept this short, so there would be time for the rest of 23 our members and for other people to speak. 24 25 It is with sad regret that I have watched the controversy on the proposed oil pipeline 26 down the Mackenzie Valley and the Government of Canada 27 smoothing out the way for the transnational oil 28 29 industries so they can make it happen. 30 It appears to be another fact

of progress and development at any cost. 2 Like Boyce Richardson, I spell those words "progress" and "development" with five 3 letters: D-E-A-T--H. 4 It is obvious to me that the 5 Government of Canada like the Government of the United 6 States is setting up the native people of North America 7 for the final rip-off, they have the police and the guns 8 and they have the laws and they have the jails and they 9 will take what they want and justify it later. 10 How they will justify it to 11 their children's children, when there is nothing left is 12 something else. I have watched both Federal Governments 13 of the United States and Canada for a long time, and I 14 have come to the conclusion that they are the servants of 15 the transnational corporations who recognize only one 16 17 imperative, and that is to grow and expand or die. 18 I am reminded of all the native 19 North American prophesies that I've heard in the last few 20 21 years, prophesies that were known long before the 22 stranger came to this land from Europe -- one is that a strange people would come to this land (the Hudson Bay 23 area) and they would come to have a great power and they 24 would hurt the people, the Indian people who live there 25 grievously, but one day they would lose their power and 26 they would disappear and there would be peace on earth 27 28 again. 29 A prophesy among the Macmac

people said that one day there would be a strange people

come to this land. They would have hair like the colour of fire, but they would not stay long, then others would come out of the sea and they would have white skins but they would have no eyes and no ears.

It has always been the understanding of the native people of North America that we were put here by the Creator and that we were to be the keepers of the land, not the owners.

The real owners are the ones who made this creation and the unborn generations to come, and each generation in its turn is to walk in a sacred way and to give honor to the God who made us and to our mother earth who sustains us. In your Christian Bible it says,

"Honor thy father and thy mother."

We in the Indian world understand that there are two roads to walk on through this path of life, one is to walk in peace and harmony with the Creator and the timeless rhythms of His universe. The other road is the road of destruction. A destroying way which follows the way of the great deceiver because we have always seen that the stranger who came to this Turtle Island have always used deception to steal the land and the resources from the keepers of the land, and we see that it is no different today than it ever was from the beginning.

Robert Joulain, the French anthropologist, said,

"We are a civilization of vultures, and we will end up eating our own decaying flesh."

1	How long will the destroyers
2	keep devastating the land and destroying the natural
3	people?
4	Grandfather, Great Spirit,
5	we have heard their voice in the wind, we have
6	listened to your words in the great storms, we have
7	seen your anger in the great shaking of our mother'
8	earth. We have listened to your warnings in the tire
9	of the volcanoes and we have turned to pray again with
10	the sacred pipe.
11	Grandfather, we have called
12	to our brothers to stop destroying the earth but they
13	have never listened to us. We know that you will soon
14	come to restore all things to a sacred way again. We
15	know that you will destroy those who work against the
16	harmony of your creation and their ways and their work
17	will be taken away.
18	Grandfather we pray, come soon.
19	Mr. Berger, if there is
20	anything if there is something you can do to stop the
21	devastation of the land and the native people of the
22	north, please do it.
23	Those are all my words for this
24	time.
25	THE COMMISSIONER: Thank you,
26	sir.
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28	WITNESS DUMONT: I would like
29	to say a couple of things, and that is that the woman who
30	is this grandmother that I spoke of, her name is Senoqua,

which means "determined woman", and we know that even in her 80th year she's still a determined woman, determined to honor the dreams and the visions that she had, and determined enough to come here in spirit. Just last year she honored this one who sits beside me here by giving her that name, and now she will carry it to do the very same thing, to be a woman, to be a mother, and to be a grandmother, and to honor and care for the earth and to remind others of the very same thing. She does have something that she wants to say here, and I ask you to listen.

WITNESS MANITOWABI: I want to, because I am a woman and because I am a mother, and I've come from this island, this North America which is our mother, I wanted to come and speak for my mother, to ask Mr. Commissioner, the government, Prime Minister Trudeau, they have children, they have mothers, their wives are mothers of their children. I would like to ask them to look at them, to really look at them and see what is happening, what is going to happen.

A few rears ago when I went in search of myself after going through a lot of garbage in the city, I went and spent some time with some elders, and it was through them that I began to see myself. One of the things that they said was

"When it is time for you to leave the city, you will know."

And when I had to go back to the city it did take me if a while to leave. I talked about it for a while, and

Solomon one day, I don't know what happened, but I was sitting in a meeting and people were saying about - they were talking about self and about identity and who are we, who am I; but it wasn't until then when I heard these people talk that I began to realize and I began to see things, I began to hear things going through the suburbs of Toronto, I saw machines digging into the earth and I felt it in my gut. I said to my husband, "My God, look what they're doing, they're raping her."

It was as though those machines were digging into me; that's what I was feeling. I want to say that those experiences that I had, feeling noise for the first time, being able to feel the earth, being able to say, "I am, I am the earth, I am mother and that we are all related, all the animals are our relations and all the people on this island, the North American people who have come to this island, we are all related, we are all one, "

If you do harm to one, to the other, you re hurting yourself, you are destroying yourself and you're hurting the Creator. This is what those people were talking about and I never realized what they meant. I often wondered, "Well, how could I be a part of you, and you a part of me?"

But it wasn't until I began to really feel the earth and I began to know who I am I think it's really important that people who come to this island begin to relate to the earth as their mother. She is your mother also and if you hurt her, you're hurting yourselves.

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I wanted to share with you a
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   song that was given to me by some Cree children and here
   again this is a very simple song, and here again I it was
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   a lesson and I would like to invite you to listen to the
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   song, not just with your ears but with your heart. Its
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   inviting you, asking you to wake up. The birds are
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   singing now. Look around you and see what the Creator
7
   has made. Look at what mother earth has to offer, She
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   has so many gifts to give and so many lessons to teach,
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   if you would only listen, if you could only see with your
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   heart and hear with your heart.
                                     This is the song:
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    (MRS. MANITOWABI SINGS NATIVE SONG)
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    (SUBMISSION BY NEWBERY, DUMONT, MANITOWABI & SOLOMON
13
   MARKED EXHIBIT C-589)
14
                              (WITNESSES ASIDE)
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                              MR. WADDELL:
                                            Sir, I wonder if
   we could have a short break now, a 10-minute break?
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                              THE COMMISSIONER:
                                                 I think we
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   will and those whose names are on the list for this
   evening might confer with Mr. Waddell during the break
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   about how we might apportion the rest of the evening.
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                              MR. WADDELL: All right.
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                              THE COMMISSIONER: We 11 take a
   break first.
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    (PROCEEDINGS ADJOURNED FOR TEN MINUTES)
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(PROCEEDINGS RESUMED PURSUANT TO ADJOURNMENT) 1 THE COMMISSIONER: Ladies and 2 3 gentlemen, we'll call the hearing to order again and just 4 carry on, Mr. Waddell, MR. WADDELL: Yes, I'm going to 5 call the next brief, the Westboro United Church of Ottawa 6 7 and I call that brief now, please. I believe Dr. Sutherland's going to present it. 8 9 DR ELEANOR SUTHERLAND, sworn: 10 THE WITNESS: Mr. Justice 11 Berger, I'm presenting this brief to the Mackenzie Valley 12 pipeline from the ministers, members and adherents of 13 Westboro United Church which is at 450 Churchill Age., 14 Ottawa, Ontario, With your permission, I'd like to ask 15 the representation from this church for whom I speak to 16 17 stand. I wonder if they would. There is a few of them here, tonight. 18 19 Thank you very much. Needless to say, not all of the 20 160 people who signed this petition are here, but this is 21 22 some of them. 23 We are a group of concerned citizens from a representative community in Ottawa west. 24 We are concerned about the many problems and injustices 25 facing the native people of Canada today. We do not need 26 to elaborate on these or on the past or present mistakes 27 28 that perpetuate the shocking conditions that we know exists. We are aware of the native organizations which 29 are formed and which are defining their own priorities 30

 and solutions to these problems and we are impressed that they have been able to accomplish so much in such a short period of time.

We believe that the native organizations of the Northwest Territories are representing the feelings of their people and must be heard. They are the authorities on their land, their environment, their culture, and their way of life. We believe that they should make vital contributions into the decisions and the defining of solutions which will affect them so greatly.

We believe that justice cannot be done, if once again, southern Canadians only, set policies for the north.

If this inquiry had been held 30 years ago, very few southerners would have cared what happened to the land or the people in the north. Now, because of a possibility of a gas and oil shortage, all are concerned. We need the oil and the gas.

So, without sufficient consultation, development goes ahead at a pace that few of us in the south or in the north really understand. A few decades from now, the supplies will likely have dried up. Again, no one will care what happens to the north, but the problems, social and environmental, all too well known to us in the south, will be the legacy that we will have left for the future.

We believe that this Inquiry and the Canadian government must listen to what the original people of the north have to say and must deal

fairly with the original inhabitants of this land. 1 In Ottawa west, we compare this 2 to a situation that is, at present, confronting us. 3 are faced with the possibility of a major highway going 4 through our community. However, we have been guaranteed 5 that consultation will take place. The people on 6 Tweedsmuir Ave. will have their land paid for if it's 7 expropriated. The people will not have to look for new 8 jobs. Now, we compare this situation to what is 9 happening in the north. 10 We know that there has, on 11 occasion, been too little consultation in the past. 12 one knew ahead of time when the pipeline or some similar 13 alien project would come to their community. 14 livelihood, for example, hunting, trapping, fishing would 15 be in jeopardy and little compensation has been made to 16 the native people who are really helpless unless we in 17 southern Canada support them. 18 19 We come here because we realize that history's being made and for better or for worse, 20 we're going to be a part of that history. We want 21 22 history to report that justice was done, and we support the original people when they seek a fair settlement for 23 their land. 24 Each of us here today, as 25 individuals and Canada, as a nation, will be judged now 26 and in the future by the way our government and each one 27 of us handles this problem. If we ignore the original 28

people and allow the destruction of their culture and

their land, it will be our responsibility. We want such

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destruction to be avoided, we want dialogue to continue we exhort the government to listen carefully to the original people who are the majority of the inhabitants of the Northwest Territories. We urge that there be no commitment to development without just land settlements and no development that threatens the preservation of the environments and the cultures of the north. Thank you (SUBMISSION OF WESTBORO UNITED CHURCH - DR. E. .SUTHERLAND - MARKED EXHIBIT C590) (WITNESS ASIDE) 12 MR. WADDELL: We're filing, Mr. Commissioner, the original of that brief with the 13 signatures appended to it. I'd like to call next, Doris 14 May Oulton. DORIS MAY OULTON sworn: THE WITNESS: Justice Berger, 19 an Inquiry such as yours was making its rounds of the communities and starting community hearings, and two 20 members of that Inquiry who had been appointed through 21 22 our political system -- this was a low budget Inquiry and they had to walk all night to get to the community 23 hearings. Now, these members were a chicken and a pig. 24 They arrived in the community, having walked all night, and being quite tired. 26 chicken turned to the pig and said: "Look it, before we 27 go into the hearings, I really have to have something to 28 eat", and the pig said: "Yes, well, I can appreciate 29 that. What would you suggest?" And the chicken said:

"Well, what I would suggest would be ham and eggs." "Now, the pig turned to the chicken and said: "Well, that's fine, for you that means participation. For me, that means total commitment."

My point in telling the story is to say thank you for the opportunity to participate. Unfortunately, the decisions being made about the people in the north mean for them a total commitment, and that commitment may be too great to make.

It means a kind of impact that we don't yet understand and it may mean, in fact, genocide. It may be cultural in nature but would be very similar to the kind of physical genocide we've seen within many other aboriginal groups.

I have two concerns, but before if I give those concerns, I'd like to say first of all that I support native land claims, and second of all, that I'm against the pipeline being put through at this time.

I don't feel that we know enough about the implications of the pipeline. I become very concerned when I hear the president of Arctic Gas been talk about the five years that have spent on environment 1 research, and I challenge him to produce the same quality of research on social implications. I also become very concerned when I hear Blair, President of Foothills, make a statement that says that he agrees that the pipeline would have some social impact, and that he only became aware of that when he went to the community hearings. He should be getting the kind of evidence that makes him aware of that far before then.

I deal in my submission to you would be one against the pipeline, supporting land claims. I am, however, a community developer by profession and a strategist by nature and in that light, I raise two concerns.

My first concern is that your recommendation would be only one of the elements that would go into making a final Cabinet decision and how a pipeline is built. Realistically, we all, know that the Cabinet will be considering other factors. You said that the concerns and the opinions of the people in the community are as important to you as the concerns and the opinions of the outside experts, You have been given a governmental mandate to recommend the method in which a pipeline should be built. The communities have given you a mandate to oppose that pipeline being built at all. It would be my assumption that you would take that opposition to the Cabinet. I would pray to God that they consider this opposition first and foremost and it would have, by far, the greatest impact.

My suspicions, however, indeed my overwhelming premonition is that they will make the decision to go ahead with the pipeline. That being the decision I urge you to use the kind of credibility that you have at this point, not only in the north but in the south, to taper that decision in order to make it as workable as possible., If a pipeline goes through the north, it must be looked at as a holistic development. When I see plans that include only training of a technical nature for the peoples in the community, I realize how

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limited the scope of the plans for the impact of that pipeline are and that's terrifying. I urge you in your recommendations to do a second long report, a transportable report, one in which sections of your recommendations, particularly in the area of social and cultural implications can be lifted out and applied to any northern development, particularly any pipeline development. I would hope that the contribution be significant, so significant that it can't be ignored. That would be a victory. But that victory would be only one if development would be looked at holistically. I see a Commission as a very real way of making that impact, making it in a way that has never been done before, making it in a way that can't be denied, making it in a way that allows people of the north to finally see some control over where they are headed and how. Your Inquiry has gathered more information together on the impact of development than probably has ever been gathered before, certainly that there had been gathered before about one development. I urge you to use that information as a tool with a much implication and application as possible, that it not simply be seen as recommendations for a pipeline, but that it be seen as information about northern development, in short to make it a workable and usable tool that demands not to be left on a shelf. However, this leads to my second concern and that's that the Commission not end when it 28 It is a process that started in the submits its report.

north. That process is with the people in the communities,

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linking them together and allowing them to discuss concerns in a significant manner. It could be and should be one of the most constructive processes in which we, as a country, are now involved. It could however, as easily, be one of the most destructive processes that's happened to communities in the north.

People in those communities have come and spoken to you. They've told you of their future dreams and they've told you of their past sorrows and they have told you of their present concern and dilemmas. They've related to you in a way that has seldom happened in the north, indeed, has never happened to the degree that it has in the last few months. But the people in the north now believe in you. They also, by some transference, believe that they can have some control over what happens to them. That is something that we can't allow to be destroyed. e I have seen between what's happening in the Territories and what's happening in the Yukon is phenomenal. Land claims processes also happen in the Yukon but people in the communities don't know what's happening. I, as an outsider know more about their land claims issues than they do and that's ludicrous.

On the other hand, what I've seen happening in the Territories is people coming together and discussing things. That's a traditional mode and one that you've used well, but as one that simply cannot happen only once. It must be followed up and people must continue to have input. People must be

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allowed to discuss a matter, then be informed what the
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   alternatives are, then must work in a sincere way to look
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   at the options and be allowed to develop the skills that
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   allows them to make the best decision and make that
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   decision become a reality. I don't believe that this is
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   a matter in which we can afford to let any second-best
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   decisions be made.
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    (SUBMISSION OF DORIS MAY OULTON - MARKED EXHIBIT C-591)
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                              (WITNESS ASIDE)
                              THE COMMISSIONER:
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                                                 Thank you
11
   very much.
                              MR. WADDELL: Mr. Commissioner,
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   I'd like to file three briefs with you at this point.
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                              One from the World Outreach
14
   Committee of the Ottawa Presbytery of the United Church
15
   of Canada, the second one from the Voice of Women, Ottawa
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   group and the third one from Michael Bein, B-E-I-N, from
   Lanark, Ontario. I'm informed that if people on their way
18
   out tonight wish to pick up some copies, some extra
19
   copies we have of the briefs that were given today.
20
   They'll find them out on the table outside the room.
21
22
    (SUBMISSION OF UNITED CHURCH OF CANADA, OTTAWA PRESBYTERY
    - WORLD OUTREACH COMMITTEE - MARKED EXHIBIT C-592)
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    (SUBMISSION OF THE VOICE OF WOMEN - MARKED EXHIBIT C-593)
    (SUBMISSION OF MICHAEL BEIN - MARKED EXHIBIT C-594)
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                              MR. WADDELL:
                                            I'd like to
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   call now, Mr. Commissioner, the brief from the Baffin
   Region Inuit Association and the brief will be
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Presented by Meeka Wilson. 1 MEEKA WILSON sworn: 2 3 THE WITNESS: I am representing Baffin Region Inuit Association, Mr. Commissioner, I am 4 here today, representing Baffin Region Inuit Association, 5 comprising 13 Inuit communities in Baffin Region. 6 First, I would like to thank 7 8 you for this opportunity to appear and to give our views Looking at a map, Baffin Island may seem a long way from 9 Mackenzie Valley but in two very important ways, we feel 10 very close and very involved in what is happening in the 11 western Arctic. 12 First, we share the same 13 concerns about the development of the north resources and 14 the impact on our communities and way of life. 15 16 Second, we share the common heritage with the Inuit in the west and arctic. 17 Sometime I think we Inuit in the East have bee. 18 are one. lucky. We have been allowed to keep our own language, 19 simply because we have not had the dame influx of 20 southerners. Maybe it is same point, small point but 21 will the pipeline care what remains of our language in 22 the western Arctic. 23 We haven't yet had the same 24 experience with developers in our own region, not yet, 25 anyways but there are signs that mineral, oil and gas 26 exploration is coming. We are beginning to understand 27 what development can mean and we are very afraid for our 28 fellow Inuit in the western Arctic. 29 Inuit don't have farms and gardens like people in the 30

south. Our farm is the land. We need wild animals to survive in the same way that you need your farms and your vegetables. We need country food to survive; to you, raw seal meat would not be appetizing, but to me, it's a darn good meal.

Even if development comes and there's lots of money, lots of jobs, it still won't buy a good meal if there are no wild animals left. We will never become canned food eaters. Even if we wanted to, we couldn't afford it. It will never buy an adequate diet for us.

We know that the people in the south want to maintain and improve their own southern standard of living. We can accept that, but do Inuit have to be destroyed in the process? After all, the Inuit have always been there, and we always will be there, but will there be any white people left after the oil and gas are gone? It seems to us that the way development is happening now, it doesn't offer very much to Inuit. You never hear very much about the Inuit getting a fair standard of living. That doesn't mean we want the same things as people in the south. We do want to have the same services as other Canadian citizen but we also want to retain our culture and way of life.

We think the best way to achieve this is through a fair land settlement, through Inuit Tapirisat of Canada. All the Inuit in the Northwest Territories have presented their proposals to the government. We don't think that any pipeline should be built until the land claims are settled. Our culture

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is older than Canada itself, and we will always be Inuit.
   We don't want any special status. We can make our own
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   way if you allow us.
                              Sometimes it seems the
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   government is only interested in us because of the
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   resources in our land, but I think we have a lot more to
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   contribute if we are accepted as a full and equal
   Canadian citizen.
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                              Thank you.
                              THE COMMISSIONER:
                                                 Thank you.
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    (SUBMISSION OF BAFFIN REGION INUIT ASSOCIATION MEEKA
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   WILSON - MARKED EXHIBIT C-595)
                              (WITNESS ASIDE)
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                              MR. WADDELL:
                                            The next brief,
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   Mr. Berger, is Jim Sheer. He's sworn in Inuvik,
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                              JIM SHEARER resumed:
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                              THE WITNESS: Mr. Commissioner,
   I appreciate your hearing me for just 5 minutes again,
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   this time on a topic of major personal concern to me, and
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   quite different from those on technical matters presented
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   to you at the formal hearings in Inuvik.
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                              I'm speaking here as an
   individual, a scientist, and a southerner, who resides in
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   Ottawa and who would like to make some comments on his
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   observations while working and living in the Canadian
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   north.
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                              I was first north in 1964 in
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   the central Arctic on an expedition looking for Sir John
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   Franklin's lost ships, the "Erubus" and the "Terror".
   This time and all subsequent times, I was extremely
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impressed by the openness and sincerity of the local people I met, much as one is impressed when one goes to a small town in the country where the lifestyles and values are quite different.

People coming from large cities where high technology, rapid pace exists, are usually impressed by the simplicity and tranquility of the day-to-day survival lifestyle of rural areas.

There's a contrast between these two lifestyles and the difficulties arising from the assimilation by modern western society of the other value system on which I would like o spend a little time.

There is no doubt that the people entrenched in the doctrines of either philosophy or lifestyle feel that theirs has inherent advantages over the other and that their philosophy is the correct one. In this respect, how does one judge objectively when, where, and to what level one is more desirable than the other? My basic premise here, is that the industrialized urban sector of society has, at its root, a connotation of efficiency, economic growth, and an ever-increasing standard of living. In contrast, the non-industrialized, indigenous sector of society has the immediacy of survival as the basic condition. manifested by the basic differences in the decisionmaking process. In the competitive urban sector, the decisions are made by the "majority rules" concept, which is efficient in terms of time and theoretically beneficial to this majority, although in practical terms,

seems only to me the desires of the few in power. 1 antithesis of this is the consensus mode or style of 2 decision-making, which is more time-consuming, but 3 certainly has the interests of all people involved 4 The implication, then, is that 5 the industrialized sector of our society will always feel 6 that the other sector is somewhat limiting and 7 unsophisticated. This being the case, there exists and 8 has existed, an almost continuous attempt of 9 assimilation-exploitation by the technological sector. 10 Let's then examine evidence for this in the historical 11 record of the Canadian Arctic. Beginning with the 12 British explorer-adventurer, the missionaries, the 13 whalers, a large construction project such as the DEW 14 Line sights and most recently, the supposed white 15 northern businessmen, best classed, in my estimation, as 16 northern entrepreneurs, the native people of the north 17 have been exposed to white people, all with quite 18 different values than their own. The effect of such 19 incursions by industrialized men has been, at best, only 20 fragmentary assimilation. Even this has been due, I 21 22 think, to a foible of human nature where "the grass is always greener on the other side of the fence". 23 24 25 Because of this, we have seen a number of natives recently become members of the Wage 26 Economy Labour force. In this manner, then, the 27 assimilation factor, if I may coin it such, has worked to 28 the advantage of the industrialized sector and to the 29

disadvantage of those people not part of that culture.

The social dislocation involved in the innocent attempt 1 to switch cultures without a long term plan of 2 integration have proved to be disastrous. 3 I admit that this is an extremely simplistic analysis, but 4 nevertheless feel a lesson can be learned from it. 5 In recent years, we have seen 6 parallel situations existing: 7 8 (a) In many other countries, where the native people are being forced to adapt to values foreign to them; 9 (b) On a more global scale, where non-industrialized 10 Third World countries are feeling the presence from 11 the industrialized ones to conform to their so-called 12 standard of "progress". From this, I would like to 13 propose two points to be considered: That a land 14 claim settlement where the aboriginal people are given 15 a chance to develop and to become assimilated, only to 16 the extent they want and when they want, is a 17 Two, even if an assumption can be made 18 necessity. that sometimes a moral consciousness may prevail and 19 that development-orientated culture which is dominant 20 in our society and it feels sincere in its belief of a 21 22 just integration, there is still a major cause for It is that even though some sincerity 23 exists, it is done with only one set of values in 24 mind. We have here a classic example of the 25 misinterpretation of modern man's so-called golden 26 rule 'do unto others as you would have them do unto 27 you'. 28 29 In a book, on new approaches to

foreign aid, it has been aptly rearranged by someone and

I think it's Gunner Myrdol, to read as - 'do not do unto 1 others as you would have them do unto you' for their 2 3 values may not be the same. Thank you. 4 (WITNESS ASIDE) 5 6 MR. WADDELL: Mr., 7 Commissioner, I think we probably only have time for one 8 more brief. There's one more on the list, George Swinton. Mr. Swinton? 9 10 GEORGE SWINTON sworn: 11 12 THE COMMISSIONER: Well, Mr. Swinton, it looks as if you will have the last word in 13 Ottawa. 14 THE WITNESS: I will never have 15 16 the last word, Your Honour. I also would like to mention to you that I was quite surprised that Doris May Oulton 17 asked you to be a total contributor, a committed 18 contributor instead of the participant in her second 19 request. 20 21 Now, during the past twenty years I have been associated with the north, and 22 23 particularly with Inuit on both sides of Hudson Bay. Since these associations were largely peer 24 relationships I have been able to learn a great deal 25 from the land and from the people, especially about 26 thinking and about surviving. Yet I do not wish to 27 imply in anyway whatsoever that I am speaking on 28 "their" behalf. Quite the contrary, I am speaking 29 for myself, as an individual and as a human being,

not racially as a white person, but purely as a 1 human person with definite northern experiences and 2 I 'am therefore somewhat troubled but, 3 unfortunately, not surprised by the hostile 4 attitudes of some rugged pipeline buffs who brought 5 so little understanding to the intrinsic subject 6 7 matter of Your Honour's Inquiry. Excuse me. I find it, however, 8 tragic that there should be so-called well-educated 9 people in ostensibly responsible positions who could not 10 or would not, listen to what the true people of the north 11 are saying about life in the north, about their 12 aspirations, and about their fears. And I do not wish to 13 refer hereto land claim settlements, although I am 14 morally and rationally convinced that any large-scale 15 16 development scheme must be logically and rightfully preceded by such a settlement. What I wish to refer to 17 are northern identity and value systems. As Your Honour 18 is no doubt well aware after these many sessions, the 19 Inuit, as much as all the other native peoples (and 20 indeed as some of the more deeply rooted white settlers) 21 do have identity and value systems of their own which are 22 based on sound spiritual and material concepts, though 23 different from ours. These systems, as well as the 24 knowledges emanating from them , are rooted in the 25 northern environment, in the traditions of the hunting 26 and trapping economy, and in a harsh but strong spiritual 27 life conditioned by need, but not by greed. 28 Within such value systems, 29 which enable individual and communal survival, the

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principle of collaboration stands out as one of the most important Collaboration is a cultural and environmental necessity in the north. In this context, that is, in the context of collaboration as cultural and environment al necessity, the taking of hard-line, inflexible stands and of name-callings are contradictions. But, and much worse, such stands destroy all attempts of ever trying to get together or of coming to grips with the reality of this pipeline -- or any other is in fact a common 10 problem, a problem that is threatening all of us equally, together and individually. The many touching hearings, 12 Your Honour, in so many northern communities and homes, 13 as much as the huge amount of various statistics pro and 14 con the pipeline, and pro and con the environmentalists, 15 emphasize only one thing to me: the pipeline is a 16 terrifying reality which confronts all of us together. 17 Terrifying, because of the many 18

Reality, and together, because we all are ravenous energy consumers and we need energy resources at least as much in the north as in the south. I must confess here that, due to climatic conditions, unresolved technologies, lack of experience and cavalier wastefulness, the north - percentagewise - might well be a greater energy user than the south.

debilitating and fearsome factors of constructing pipelines and equally, of not constructing them.

I was careful here to choose the simple term "energy" rather than trigger-words such as oil, gas, petro-chemicals, hydro-carbon energy, or

non-renewable resources, even though it is precisely they which we are using up so wantonly, wastefully, and savagely. Some of us unwittingly; some of us quite playfully; some of us quite greedily; most of us quite needlessly; but almost all of us in some way or another. Thus, as I said before, we are all in it together. The details really do not matter in relation to what I wish to suggest, not so much as a solution but as a necessary and wholesome compromise.

Personally, I do not known when or whether the Mackenzie pipeline and/or others will be built. One hears the rumours, one sees the officials and one confronts the researchers. Most of us who visit the Arctic regularly are pretty sure that horror things like pipelines are going to happen eventually -certainly after land claims will have been settled. Immediate needs, as much as greed for economic profits, will prevail inevitably before sanity. These are simply the pragmatic facts of history no cynicism implied.

But we have it in our power - and here, Your Honour, I see one of the greatest values of your Inquiry -- we have it in our power to see to it, through the democratic process, that the Inevitable idiocies and the equally inevitable sacrifices we shall have to make can and will be balanced. This balance can be achieved by recognizing the cultural conservation, identity needs of the northern native peoples and by finally awakening to the needs for practical and productive research into the uses and development of renewable energy resources. The latter might eventually

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enable us to replace hydrocarbons as energy sources and cheap commercial raw materials, and to treat and admire them instead as the truly valuable non-renewable resources they really are and which we should conserve with loving care rather than consume with ignorant abandon. I therefore respectfully submit to you, Your Honour, that we declare full war on the wastage of natural resources and on the destruction of cultural resources -- hopefully a more successful and honest war than we said we would fight on poverty. order to win this war we should accept the grim realities and problems of the pipeline and treat them as a problem and as an enemy common to us all. 13 I further submit, Your Honour, that the government might re-examine its policies and 15 priorities vis-a-vis energy research. The U.S. 16 Government has pledged 500 billion dollars over the next 17 fifteen years to search for alternate sources of energy. We, on the other hand, as recently announced by the Minister of Energy, Mines and Resources, are going to 20 spend over the next four years close to a billion and a half on further exploration, which should read 22 exploitation of non-renewable resources. Can such action 23 be justified? And, in view of that, how can we entrust 24 our government with the protection of the environment, 25 the conservation of aboriginal cultural identities, and 26 the guarantee of essential energy needs? 27 Therefore, Your Honour, I wish 28 29 to suggest that we, that is, the people, the governments

and the oil companies, pledge to spend as much money -

really dollar for dollar -- on research into renewable 1 resources, into healthy human and animal habitation, into 2 a healthier and happier environment and into the 3 maintenance of cultural identities, as well as on the 4 implementation of the research findings. May the 5 pipeline become a symbol of a new frontier spirit of 6 communication and of collaboration, instead of a symbol 7 of greed, fear and destruction. 8 9 Thank you, Your Honour. (SUBMISSION OF GEORGE SWINTON - MARKED EXHIBIT C-596) 10 (WITNESS ASIDE) 11 MR. WADDELL: Mr. Commissioner, 12 I'd like to file a brief from the Latin American Working 13 Group from Toronto 14 (SUBMISSION OF LATIN AMERICAN WORKING GROUP MARKED 15 16 EXHIBIT C-597) 17 and another one from Grace R, Stevenson of Ottawa. (SUBMISSION OF GRACE R. STEVENSON - MARKED EXHIBIT C-18 19 598) 20 21 MR. ROLAND: Sir, a few words 22 concerning procedure. First, our rules provide an 23 opportunity for the two pipeline companies and the major participants to respond to evidence heard this 24 evening. All parties have indicated to me that they do 25 not wish to exercise this right. Secondly, as I have 26 indicated, sir, the Inquiry placed advertisements in 27 local newspapers inviting persons and organizations 28 wishing to make an oral presentation to this Inquiry, 29 to indicate such an intention in writing or by

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telephone to our office here in Ottawa. Based on the number of persons and organizations filing their names with the Inquiry, we scheduled and held 5 sessions here in Ottawa. We have heard 43 oral presentations and we have filed 12 written briefs with the Inquiry. sir, concludes our hearings in Ottawa. We recommence these hearings in Charlottetown, at the Charlottetown Hotel, one --THE COMMISSIONER: I think that's Charlottetown. MR. ROLAND: Charlottetown. To finish that, on Monday, June the I'm speechless, sir. 7th, at 2 p.m. THE COMMISSIONER: Well, ladies and gentlemen, thank you all very much for the interest you've shown in the work of the Inquiry and of course, what is far more important, in the issues that you've all taken the trouble to consider and that many of you have discussed here with us today. Let me especially thank those of you who came from as far away as Kingston and Sudbury and Tuktoyaktuk in Baffin Island. I think I should say in closing that the CBC's northern broadcasting unit established when the Inquiry began, broadcasts from the Inquiry for one hour every evening on the radio to all communities in the Northwest Territories and the Yukon. That hour each evening on the northern service of the CBC is a means by which what is said at this Inquiry in each northern community is transmitted to people throughout the north

who, as we all know, have such a very great interest in

what is going to happen up there. That broadcasting unit 1 has been travelling with the Inquiry throughout its 2 southern tour of these cities, and they have been with us 3 here in Ottawa the past two days, and they have been 4 broadcasting each evening to the north over the radio for 5 an hour in English and in native languages what you have 6 been saying about the issues that we are concerned with. 7 Their broadcasts go out in English, Loucheux, Slave, and 8 Dogrib and in the Eskimo language of the western Arctic, 9 and they go as well on a regular basis to the eastern 10 Arctic in the Eskimo language spoken there, so that CBC 11 has enabled this Inquiry, in a sense, to be an inquiry 12 without walls and has enabled it to obtain the 13 participation of northern peoples, because they've had 14 the opportunity as the Inquiry has proceeded through the 15 north of knowing what has been said by the experts at the 16 formal hearings in Yellowknife, of knowing what other 17 people in other communities have said in the Mackenzie 18 Valley, the Mackenzie Delta, in the northern Yukon, and 19 the villages on the perimeter of the Beaufort Sea, Now 20 they will have had the opportunity throughout this tour 21 of southern centres of knowing what you, some fellow 22 Canadians who live here, have said about these issues. 23 That is a contribution to brotherhood in this country and 24 to the working public Inquiries by the CBC that I think, 25 it is worth recognizing as we go along So, thank you all 26 again and the Inquiry is adjourned until Monday at 8 p.m. 27 in Charlottetown. 28 29 (PROCEEDINGS ADJOURNED UNTIL JUNE 7, 8:00 P.M.)