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- (c) Miners' Certificates - The enlargement of the Thetford Industrial Clinic has been completed and examinations are proceeding according to plan.
- (d) Mine Rescue Stations - The station building at Thetford has been completed, the equipment delivered, and the local personnel trained. The question of training the crews from Gaspé Copper Mines will have to be settled after the conclusion of the strike there.
- (e) Merit Rating - Nothing new to report. The maximum rate for 1956 was \$5.00, the minimum \$0.25 and the provisional rate for 1957 has been set at \$2.00.
- (f) McIntyre Foundation - It was suggested that the association should establish closer liaison at the medical level with the McIntyre Foundation with respect to their announcements pertaining to pneumoconiosis. In the absence of such liaison it would appear likely that their statements of either a general or a specific nature dealing with pneumoconiosis might be misconstrued and unjustly effect the objections of the association. Regular exchange of information would obviate this difficulty.

3. MINE TAXATION

- (a) Bill 44 - Amendment to the Quebec Corporation Tax Act. - Mr. Penhale confirmed, that although the regulations under the Act had yet to be published, the Comptroller of Provincial Revenue had assured him that taxable income would be computed in accordance with prevailing rules for the Federal Income Tax Act. If this is to be the case it will require changes in the provisions for depreciation and depletion allowances to which Mr. Shink agreed. He also agreed that 10% of the duties payable under the Quebec Mining Act would be allowed as a deduction from taxable income which again differs from the Federal regulations. Exploration expenses will be allowed and income from new mines will be exempt from tax in the same manner as provided for under Section 83 (5) of the Income Tax Act.
- (b) Sales Tax - It was reported that Pelocotions Limited had been assessed the full 5% Provincial, Municipal and School Sales Taxes on its purchases instead of 20% of the tax eligible as normally applies to the taxable purchases of mining companies. The Department apparently ruled that this concession would only apply to subsidiary companies which carry out the normal operations of the parent mining company. Steps are being taken to appeal this ruling to the Comptroller of Provincial Revenue.

4. TRANSPORTATION

- (a) The American railroads have revived the question of establishing a higher rate on asbestos crude and spinning fibre although they have already been defeated on this point before the I.C.C. The Official Classification Committee of the Railroads held hearings earlier this month on the subject and this Association was represented together with most of the major asbestos consumers in the United States. Strong protests against this proposal were lodged and it is hoped will prove a sufficient deterrent to publication of such new rates which would, if published, taking Charlotte, N.C., as a destination for example, mean increases from \$13.20 a ton on crude on LCL lots to \$4.40 a ton on carloads of spinning fibre. A decision from the Railroads on this matter is not likely before September, if published these rates will be protested to the I.C.C., would then be suspended and presumably become the subject of another I & S Docket.
- (b) The following reductions in ocean freight rates have been negotiated:

- (i) FAR EAST (Penang, Singapore & Port Swettenham)
per ton - 2,000 lbs.

	Former Rate	New Pr. P.	Rates N.Pr. P.
Groups 3, 4 & 5	\$45.50	\$40.50	\$45.50
Groups 6 & 7	41.75	36.75	41.75

Rates for Bangkok - plus \$5.90

- (ii) FAR EAST (Calcutta, Bombay, Karachi, Colombo)
per ton - 2,240 lbs.

	Former Rate	New Pr. P.	Rates N.Pr. P.
Group 3	\$58.00	\$45.00	\$50.00
Groups 4 & 5	53.00	43.00	48.00
Groups 6 & 7	53.00	40.00	45.00

It was agreed that wherever possible differential ocean freight rates on pressure packed fibre should be established without actual measurement figures being used.

5. LABOUR

There was some discussion as to the effect of Aluminum Company strike and its probable settlement on members' labour contracts. It was reported that in the United States the indicated pattern of wage increase is from 5 - 6%.

6. STOCKPILING

- (a) Questionnaire on Spinning Fibre for U.S. Government - This questionnaire prepared by the U.S. Bureau of Mines was apparently designed to elicit information from which a decision could be made with respect to removing asbestos from the critical materials list. It was agreed that a Committee composed of Messrs. G.W. Smith and J.A. Marcotte should take up this matter with the appropriate Canadian Government officials with a view to getting their recommendations as to the method of dealing with this matter.
- (b) Stockpiling Spinning Fibres - Mr. Kelleher advised that the U.S. Government had authorized a further expenditure of two million dollars for stockpiling Arizona Spinning fibre. The U.S. government are apparently in favour of encouraging the development of the asbestos deposit in the Shasta Valley of California. There is no question of stockpiling Canadian fibre at this time.

7. PUBLIC RELATIONS

A report from the Association's consultants was circulated.

8. MEMBERSHIP

Nothing new.

9. REVISION OF THE QUEBEC MINING ACT

Meetings have been held with the representatives of the Quebec Metal Mining Association and progress was reported.

10. JOINT PROVINCIAL MINING ASSOCIATION

The next meeting of the J.P.M.A. is scheduled for September 3rd in Vancouver. Messrs. Lindell and Penhale expect to attend and will represent the Association. This occasion should provide an opportunity to meet the new Federal Minister of Mines.

11. RE-ORGANIZATION Q.A.M.A.

In the absence of counsel's approval of the new draft By-laws, it was agreed that they should be adopted in principle and that the Association should operate under the new organization pending such approval.

12. DATE & PLACE OF NEXT MEETING

The next meeting will be held at the call of the chair.

13. There being no further business the meeting terminated.

ICC:red.

"Source: Jeffrey Mine"

MINUTES OF A SPECIAL MEETING OF THE
QUEBEC ASBESTOS MINING ASSOCIATION
HELD AT CASTLE HARBOUR HOTEL, BERMUDA
ON THURSDAY, NOVEMBER 1ST, 1962.

Present

Messrs.	C. B. Burnett	F. P. Hodgson
	I. C. Campbell	G. F. Jenkins
	M. P. Carson	A. S. Johnson, Jr.
	D. T. Colton	K. V. Lindell
	A. B. Cummins	J. A. Main
	J. O. Eby	P. A. Meyer
	R. Hackney	A. L. Penhale
	N. W. Hendry	I. Sabourin
	W. H. Sottar	

The President, Mr. Karl V. Lindell, was in the chair.

Minutes of the special meeting of March 23rd were adopted.

Committee Reports

Safety

At the Sherbrooke meeting of September 10th it was recommended that the dust engineer consult with Dr. Cartier on the locations for taking dust counts. As a result of these discussions it has been determined that it is not a question of locations but the method of sampling. The Midget impinger as used by our Association is not acceptable by some countries and this leads to disagreement on dust counts.

Copies of a C.M.A. brief on accident prevention directed to the Quebec Provincial Government proposing the formation of a Superior Safety Council have previously been supplied to our directors. Members of our Association have met with representatives of the Quebec Metal Mining Accident Prevention Association who will not endorse the brief or support it in any way. It is emphasized that the mines come under safety regulations established by the Department of Natural Resources and we want to maintain the status quo.

A meeting has been called by the C.M.A. for November 6th to discuss their proposal and we will go on record as not supporting it.

Safety - Cont'd.

Publicity has been given recently through newspaper channels connecting Asbestos with cancer. Dr. Cartier is watching developments closely and counsel is asked to consider methods to be initiated by the Association to defend our position if necessary. Counsel has been asked to release the results of the 1958 Symposium altho incidence of cancer in asbestos workers in Russia is not available.

Workers' Compensation

Nothing new to report.

Public Relations

A Public Relations Report #1962-2 prepared by Editorial Associates Ltd, was distributed.

It is recommended that the publication of the 'Producer' be continued and discussion be held with Mr. Knott toward developing a more aggressive program.

Industrial Relations

Some members have not yet signed labor contracts, the delay resulting from job evaluation negotiations.

Operations at certain mines have been cut back to a five day week.

Traffic

A proposal of the Canada Continental East Bound Freight Conference was distributed. This proposal would establish a sliding scale of rates depending on volume. The Association stand is that the sliding scale should be on an association basis and not on individual companies' shipments. This will be discussed at a Conference meeting during the week of November 5th.

Legislation

It is proposed, seconded and carried that the Association prepare a brief for submission to the Royal Commission on Taxation.

Technical

This committee continues to meet each two months with sub committees working continually on the development or improvement of tests.

Bauer McNett has requested permission to include in a bulletin, which they issue to customers, the Q.A.M.A. test method. This is granted.

It is reported that screens for the Quebec Standard Test Machines presently being supplied are not always standard. This complaint will be referred to the supplier.

Liaison - Q.M.M.A.

One meeting has been held with representatives of the Quebec Metal Mining Association to discuss a proposed brief re a Superior Labor Council as referred to earlier in the minutes.

A further meeting is planned for November at which Public Relations will be discussed as one item.

Uniform Classification and Grading

Latest inspector's reports issued on October 24th. Number of off grade fibre shipments is increasing steadily. To be reviewed at the next regular meeting.

Research Testing Laboratory

Mr. Pare has prepared an annual operating budget for the laboratory which calls for the following expenditures:

Administration: salaries, etc.	\$44,030.00
Operating services	4,225.00
Capital expenditures	<u>5,379.00</u>
	<u>\$53,634.00</u>

On the recommendation of the Committee this budget is approved. It is planned and hoped possible to process 3 exchanges of samples within a 12 month period.

Proposed, seconded and carried that rate increases of \$150.00 p.a. be granted to the technicians in the lab. effective September 1st, 1962.

Research Testing Laboratory - Cont'd.

Some of the lab. technicians have voiced the desire to take night classes at the University i.e., mathematics, physics, chemistry, etc. The director attempted to enroll them on a no charge basis but this was rejected by University authorities.

The tuition fee is \$200.00. Moved, seconded and adopted that the Association contribute to successful students from 50% to 100% of the fees based on the percentage of marks achieved.

At present there are 5 technicians employed with one addition being sought.

New Standard Test

Copies of a 'new test methods program' were distributed by Dr. A. B. Cummins.

It is believed that there might be new business for fibre in the plastic field. It is felt that asbestos fibre is not now used due to lack of tensile strength as compared to glass and sisal.

A tentative appointment has been made by Dr. Cummins for November 14th to discuss with the Watertown Manufacturing Coy. a plastic evaluation program. Following such discussion Watertown will submit a program on a contract basis.

It is moved, seconded and adopted that Dr. Collins be taken off the short time test (24 hours) and hire an additional technician to work on this at the Sherbrooke Laboratory under the direction of Dr. Collins.

Dr. Collins has indicated that he would like to become associated with the Asbestos industry on a permanent basis.

Estimated cost of carrying out various tests as outlined in Dr. Cummins' report is:

Salaries, Fellowships, Travelling	\$ 65,000.00
Herty Foundation (complete program)	10,000.00
Initial Estimate - Plastics & Tile -	40,000.00
Textile	
	<u>\$115,000.00</u>

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Adjournment

There being no further business the meeting adjourned.

"Source: Jeffrey Mine"

MINUTES OF THE 89TH MEETING OF THE
QUEBEC ASBESTOS MINING ASSOCIATION

HELD ON WEDNESDAY, OCTOBER 14TH, 1964
AT THE ST. GEORGE'S CLUB, SHERBROOKE, P.Q.

Presents:

Messrs. M.J. Messel
J.O. Eby
R.S. Coleman
P.A. Meyer
A.L. Penhale
Geo. W. Smith

I.C. Campbell
R. Dodds-Hebron
F.P. Hodgson
G.F. Jenkins
R.J. Merrill
L.O. Montpetit

W.W. Doughtred
C.A. Piché
F.P. Smith
C. Robinson
I. Sabourin
P.-A. Filteau

The president, Mr. M.J. Messel, occupied the chair. Minutes of the meeting of May 25th, 1964 were adopted.

Technical Committee

The chairman reported that the last meeting of the committee was held in Asbestos on September 22nd. He reviewed the work in progress:

- a) Dyckhoff Calibrating Standards- Better correlation between results obtained by members and those of the Sherbrooke Laboratory is under study.
- b) Oil Absorption - The kerosene retention procedure is approved in principle.
- c) Freeness - A revised procedure to be issued.
- d) Accelerated S.O. Test - further data being accumulated.
- e) A.C. Silica Mixes - Work should be completed before the end of the year.

- f) Sag Cake Test and Plasticity Index - It appears that the test has possibilities for the measurement of wet strength.
- g) Wet Volume - An amended procedure has been accepted.
- h) Modified J.S. Test - Test work completed and data under study.
- i) Sherbrooke Laboratory - There is some laboratory time available for use by sub-committees. Requests should be made through the chairman of the Technical Committee for clearance with the directors.
- j) New Turner-Newall Procedures - A report on the Suter-Webb method will be presented at the next meeting of the Technical Committee. This meeting to be held on November 16th next.

ATI meeting (October 8th and 9th) The new Fibre Testing Manual was discussed and it was decided that its size would remain the same as before (8½ x 11) in bound volume form and also in separate individual tests. A digest of the manual will be issued with tests identified by numbers. Deadline for approved material is the next ATI meeting, February 10, 11 and 12, 1965.

The chairman advised that Mr. Lincoln, Research Director of the Turner-Newall Fibre Laboratory, has developed a magnetic rating equipment at a low price of \$200. He also advised that the Asbestos Cement Products Association has changed its name to Mineral Fibre Products Bureau.

Uniform Classification and Grading

Since last meeting two shipping test reports by the inspector have been distributed. Fifty-seven grade samples have been sent to the Sherbrooke Laboratory. Following explanations given

by the chairman of the committee concerning Mr. J. Paré recent visit to asbestos plants in France it was moved that an amount up to \$200. be paid by CAMA to Mr. Paré for certain legitimate travelling expenses. Adopted.

The new wage scale for technicians at the Sherbrooke University which was adopted at the special meeting of July 30th will cost the Association some \$3,150. on a total of \$23,600. in salaries. The base rate has been increased from \$3,600. to \$4,200.

It was moved and adopted that a prize of \$50. be awarded to one of Paré's students who is preparing a thesis on asbestos in concrete, following submission of the outline of his thesis as accepted by the University.

Mr. Paré may become a member of the A.S.T.M. sub-committee on asbestos fibre, but, any work there is to be done in the laboratory must be approved by the directors. The time available at the Sherbrooke Laboratory following completion of S.U. Test for fifth exchange will be devoted to increased work on accelerated S.U. Test and the rate of reaction as a harshness test.

Following the receiving of a request from Heribert Hiendl of Hagelstadt, Germany, it was suggested that the General Manager write to Mr. Hiendl and suggest that he wait until the ATI manual comes out before making any inclusion in a book he is writing on the operation of AC machines. The J.T. Donnell & Company, assaying consultants in Montreal, have asked to have some testing work done for them on a pre-shipment (?). It was agreed that such test could be made at a specified fee (\$5. - \$10. - \$25.) and without accepting any responsibility. Results to be in records accessible to CAMA. The purchase of a Meta

filter for the Sherbrooke Laboratory at a price of \$2,000. was proposed and approved. An amount of \$1,027. was also approved for the changes made for walls, doors, etc. at the Sherbrooke Lab. in order to provide for additional space required. Mr. E. Mackhool of the Ottawa Law Firm will submit a report on their recommendations concerning the four patent applications submitted by the Association. It seems that the sonic patent is doubtful; the other three will require patent applications.

The brief requesting from Ottawa research assistance in connection with testing and certain applications of asbestos fibre was reviewed and commented. It was moved and adopted that the brief be submitted on October 15th at a meeting with the Minister of Mines and Technical Surveys and some of his senior officials as already mutually arranged. It was indicated that on this occasion Mr. H.M. Woodroffe will submit on behalf of his section a list of areas for investigation to supplement the QAMA request.

Industrial Relations

The report of the dust control engineer was circulated.

The chairman reported on his recent visit to the Quebec Workmen's Compensation Commission with Messrs. W.H. Souter and P.A. Filteau. The group met primarily with the assessors and the treasurer of the Commission to enquire about certain problems and the merit rating system. With regards to the merit system, the group was told that in addition to the actual cost rate (minimum 0.35 maximum \$4.50) there is also a mutual rate, which is meant to operate upwards or downwards on the total

assessment, depending whether the group experiences a surplus or a deficit at the end of a given year. This explains the recent assessment of 0.20 per \$100. salary imposed to all the members because of the experience of last year. In the case of permanent partial disability cases, adjustments can be made up or down during the first three year period and credits or debits are charged against individual employers. Since December 1963, the ruling in the case of death is the same for P.P.D. compensations as for cases of asbestosis or silicosis; no refund is made to the employer when there is a balance left in the capitalized fund but, a charge is made to the employer should the capitalized fund be insufficient to take care of the widow and the children, if any.

The commissioners also mentioned certain abuses (non-reporting of accidents) brought to their attention and they express their intent to discuss in the near future a case where a safety contest might have resulted in the non-reporting of an accident.

The committee is arranging a wage survey which will cover a wide range of companies. It would seem that the Union is not ready to negotiate the next contract at an early date.

Traffic

The chairman reported that no regular meeting had been held with the various shipping conferences. However, it seems quite likely that rate increases will take place. A Canadian conference has been formed for the Australian-New Zealand trade.

Legislation and Taxation

The General Manager submitted a form to report taxes, dues, etc. paid by the member companies during the year. The data to be kept confidential and to be used for the total industry only. The information will be collected through Riddell, Stead, Graham & Hutchison. The new Mining Act is expected to come down early at the next session and it might be appropriate then to stress the purchase power that mining industry injects in the economic community. We were also advised that the Belanger Commission was expected to meet with officials of Department of Natural Resources to make sure that both are in agreement concerning recommendations to be made to the Provincial Cabinet.

A copy of the recently proposed Provincial Pension Plan was tabled and its main features explained. It was agreed that a copy should be sent to each director.

Public Relations

The chairman explained that his committee had discussed the merits of arranging for the publication of Asbestos Producer through the Quebec office versus the Public Relations consultant, as is presently being done. It was the consensus of opinion that although some saving might be achieved by making this change, other factors seem to indicate that it would be best to continue under the present arrangement and that Editas should be asked to reduce their cost.

During the coming Canadian Ski Championship to be held in Thetford in 1965, Editas will provide public relations counsel to

the Thetford Ski Club having in mind the promotion of favorable public relations for the industry.

It was agreed that the Thetford asbestos mining companies would possibly sponsor a ten minute news broadcast over the facilities of Station CKLD in Thetford Mines three times a week at a cost of approximately \$23.00 a week. The industry could have access to this medium of communication for specific announcements of its own. The chairman to discuss the conditions for this project with the companies operating in the Thetford area.

In the case of requests for information on the general health of the industry from news media, it was agreed that such could be channeled through the General Manager who will then consult with the President on any statement to be made. It was suggested that copies of the article of the Wall Street Journal on the Canadian asbestos industry which appeared in October 9th issue should be sent to each member company.

It was moved and adopted that an amount of \$200. be turned over to the representative of Editas, on his way shortly to the United Kingdom, to cover certain travelling expenses involved when calling on local asbestos manufacturers for information on the need for export of raw asbestos fibre from Canada.

A model for a GAKA crest was submitted; it was recommended that certain modifications be made to the design submitted.

The proposal submitted by Mr. George Hunter concerning the taking of aerial photographs of each mining property was put off for decision until next spring.

Expo '67

The brochure and the art work are completed; printing is awaiting decision of Expo officials.

A new design for an asbestos industry pavilion has been prepared by the architect. This structure would contain an exhibit describing the origin of the mineral, its extraction and processing, the uses and products made of asbestos. Such an exhibit would require imagination and the services of an experienced industrial designer. Prior to pursuing the matter any further it was decided to ask the architect for a cost estimate of his new design. In the meantime, the General Manager is to endeavour to hold on until next meeting to the plot of land reserved on the Expo site.

On September 29th, a visit of the Expo site was organized for the representatives of the mining industry throughout Canada. Following the visit the executive director of the Canadian Metal Mining Association indicated that the mining industry as such will not participate in Expo '67 and that it was left to the individual companies to decide on their participation in this event.

General Manager Report

Because of the heavy agenda, the General Manager touched only briefly on certain of his activities during the past month. A copy of his report is attached.

Also attached is a summary of the reply of Honorable Benidickson to the brief submitted to the Government of Canada at the end of the 20th Annual Conference of the Provincial Ministers of Mines.

NEW BUSINESS

QAMA Treasurer

Accounts payable ratified as follows:

EDITAS	Account for May	5,350.44
	June	5,350.44
	July	5,350.44
	August	5,350.44
	September	5,350.44

		\$ 26,752.20

Visit of Russian Asbestos Mines

The President gave a brief review of his recent visit to Russia. The group of four Canadian asbestos industry representatives were well received and visited the industrial complex located at Asbest in the Ural Mountains. The Russian output is estimated at some 1,430,000 metric tons of fibre annually which is somewhat greater than the Canadian production. A new mill (Mill No. 6) is almost ready to go into production. Two new deposits are presently being developed: One at Kizil, Kazakhstan, with a potential annual capacity of 250,000 tons and one in Mongolia, with a capacity of 600,000 tons.

There is, however, no connection between the Asbest operations and the new projects. In general, the Soviet asbestos industry appears to be behind in quality control. The visitors were shown in their laboratories an electrical method to measure fibre content and also a device to measure moisture content. It would seem that at present Russia is exporting relatively less

to the European countries; however, it could at any time increase exports substantially, should it be convenient in its economic and political battle with the West.

Conference on Biological Effects of Asbestos

It was pointed out at the ATI meeting in New York that recent publicity on the subject of biological effects of asbestos were somewhat sensational and could have far reaching and damaging effects on not only the asbestos products manufacturers but also directly on the asbestos mining industry. It was remarked that such discussions should be kept strictly on a medical level, since they refer to the cases of disability only and do not cover all aspects of the industry.

It was moved and adopted that a contribution be made to the New York Academy of Sciences towards cost involved in sponsoring the above Conference. A maximum amount of \$ 5,000. is allocated and final recommendation to be made to the President following attendance at the Conference by the Counsel and the General Manager.

Next Meeting

Next regular meeting will be held on November 23rd, in Quebec City most likely.

Adjournment

There being no further business the meeting adjourned.

MINUTES OF THE SPECIAL MEETING OF THE QUEBEC ASBESTOS
MINING ASSOCIATION HELD AT THE JAMAICA HILTON HOTEL,
OCHO RIOS, JAMAICA, FRIDAY, FEBRUARY 5, 1965.

Present:

Messrs. M.J. Messel	M.P. Carson	J.R.M. Hutcheson
J.O. Eby	W. Darrell	G.F. Jenkins
K.V. Lindell	R. Dodds-Hebron	W.W. Oughtred
P.A. Meyer	R. Hackney	F.P. Smith
R.D. Bradford	N.W. Hendry	I. Sebourin
I.C. Campbell	F.P. Hodgson	P.-A. Filteau

Mr. Messel chaired the meeting.

Proposed JM Fibre Classification

The system was explained and broadly demonstrated as to how it would work with various customer specifications. Chart of the suggested AC Fibre Classification is attached. If the new catalogue were adopted, some of the present standard test procedures would become standard tests. It was moved to refer this proposal to the Uniform Classification and Grading Committee for further study and discussion and, if found satisfactory, to prepare for the directors a formal resolution. If the Association agrees to adopt this proposed fibre classification, the Quebec Government would be so informed.

Uniform Classification and Grading Committee

In line with the discussion of February 4, concerning the recommendation of the chairman of the committee that the Association purchase certain specialized equipment for research work in Ottawa, it was moved and seconded that the required equipment of a \$10,000 value be provided so as to continue work in Ottawa on the development of a dynamic system of evaluating chrysotile. Adopted.

Quebec Institute of Research in Mining Pathology

A report was tabled at the meeting reviewing the activities of the committee since it was appointed in November 1964. The report concludes that, after discussion with medical authorities in Canada and USA, the proposed plan should be launched at once.

It is estimated that for the immediate period ahead an amount of \$100,000 (to provide for salaries of director and clerical staff, office space, equipment, etc.) plus a travelling budget of \$9,000 (to cover visits to other institutes) will be required to put this project on its way. It is hoped that once started, other mining associations and interested industries will join and contribute financially to an eventual annual budget of some \$240,000 for the long range program. It was moved and seconded that an amount of \$109,000 be allocated to the committee to undertake the initial steps required to implement this project. Adopted.

Expo '67

Mr. Bruce Davis of Monpar Inc. was on hand to explain the concept proposed for the asbestos industry pavilion. The general theme for the pavilion deals with resistance of asbestos to fire and heat. It is one that can be portrayed quite dramatically and which naturally draws and holds attention. Mr. Davis explained the feasibility of such a display and submitted preliminary costs following his discussion with Expo pavilion planners, architects and suppliers. It was pointed out that this was a major promotion and that the industry must be prepared to make a large expenditure. The cost is estimated at half a million dollars or more and may be greater than the value received.

In view of these findings, it was moved that the lot originally reserved by CIMA on the site of Expo '67 be released and that the Expo Corporation be so advised at once. Adopted.

The president suggested that three special meetings be held each year with tentative plans as to date and location set a year in advance.

There being no further business the meeting adjourned.

ASBESTOS CEMENT FIBRE CLASSIFICATION

<u>FIBRE</u>	<u>S.U.</u>	<u>P.V.</u>	<u>+14 McNett</u>	<u>-200 McNett</u>	<u>Crudy Content</u>	<u>Surface Area</u>	<u>Filtration</u>
N-326 4J	119.8	80	53.4 (2)	21.9 (1)	22.0 (1)	6310 (3)	26 (1)
4T104 (F)	117.6	70	44.5 (3)	22.2 (2)	18.9 (2)	5890 (1)	50 (4)
4T3	116.4	77	39.1 (6)	28.4 (3)	16.0 (4)	6420 (4)	55 (5)
3C4T	115.6	77	42.6 (4)	28.8 (4)	13.6 (5)	6100 (2)	39 (3)
4T115	115.0	76	42.0 (5)	29.3 (5)	17.8 (3)	8200 (6)	95 (6)
4K600	111.2	73	53.7 (1)	30.3 (6)	12.9 (6)	6520 (5)	31 (2)
4T4	107.5	71	35.0 (4)	28.8 (1)	4.4 (4)	8440 (3)	94 (3)
KP-479 4T	105.9	69	37.6 (2)	32.7 (2)	13.4 (2)	7680 (2)	41 (2)
4T1 (M)	102.2	66	28.5 (5)	35.3 (4)	2.4 (5)	10720 (5)	277 (5)
4T10C	100.0	65	35.7 (3)	36.0 (5)	15.6 (1)	8900 (4)	137 (4)
KD-422 4D	98.9	64	46.6 (1)	35.2 (3)	10.2 (3)	8090 (2)	27 (1)
N-483 4T	92.6	60	27.2 (3)	36.0 (2)	4.8 (2)	9500 (2)	53 (1)
4T90	90.0	58	30.6 (2)	49.1 (3)	9.5 (1)	9300 (1)	90 (2)
4T1 (C)	83.2	53	39.9 (1)	30.3 (1)	3.6 (3)	10660 (3)	190 (3)

"Source: Jeffrey Mine"

MINUTES OF THE 92nd MEETING OF THE
QUEBEC ASBESTOS MINING ASSOCIATION
HELD ON MONDAY, MARCH 22nd, 1965
AT THE ST. GEORGE'S CLUB, SHERBROOKE, P.Q.

Presents:

Messrs. R.J. Messel	I.C. Campbell	W.W. Oughtred
J.O. Eby	R. Dodds-Hebron	F.P. Smith
R.S. Coleman	F.P. Hodgson	P. Wiser
K.V. Lindell	J.R.M. Hutcheson	Geo. Robinson
A.L. Penhale	G.F. Jenkins	I. Sabourin
Geo. W. Smith	L.O. Montpetit	R. Sabourin
		P.-A. Filteau

Mr. Messel occupied the chair. Minutes of the meeting of January 18th, 1965 were adopted.

Technical Committee

The chairman stated that a meeting of the committee had been held on March 15th, noting that Mr. Glensante from the Provincial Department of Natural Resources will from now on represent Dr. Pelletier of the same Department.

At this meeting test methods under study were reviewed. As regards test work on asbestos-cement silica mixes, it was hoped, as mentioned at the meeting of February 4th, that some assistance could possibly be provided AS&R by the Sherbrooke Laboratory and J.M. Research Center.

Committee has been asked by the Uniform Classification and Grading Committee to review the Strength Unit Test Procedure, such as ball mill time, since maximum strength of Inetford

fibres is not necessarily developed by a milling time of sixty minutes. A more gentle opening method of fibre could also be used. It was pointed out that a strength unit test, if and as a proposed standard, should be checked continually.

The chairman brought up the question of his successor, as he expects to retire on May 1st.

Uniform Classification and Grading

The committee held two meetings to consider the proposed fibre classification put forth by one company. A resolution has been prepared for consideration by all companies which reads as follows:

- " Resolved that the Strength Unit Test as described on pages 85 to 102 of the Manual of Testing Procedures for Chrysotile Asbestos Fibre - March 1962 - be accepted as an added standard test for the classification of chrysotile asbestos fibre for use in asbestos-cement products.

It being understood that:

1. All of the Strength Unit equipment operated by members of the Quebec Asbestos Mining Association will be correlated in a manner similar to that used by the fibre Inspector to correlate the Quebec Standard Testing Machines.
2. The Technical Committee will be asked to review the existing above mentioned procedure and modify and clarify, when necessary.

3. A location for the purpose of referee testing will be established (suggest Sherbrooke Research Testing Laboratory).
4. The Uniform Classification and Grading Committee will continue its work to find other tests which can be integrated into the classification system for chrysotile asbestos fibre used in asbestos - cement products. "

The chairman reported that at the second meeting of the committee the following points were raised:

- a) That all S.U. equipment be correlated between all company laboratories. To this end, it was agreed to exchange fibre samples to be shipped to the Sherbrooke Laboratory.
- b) That it might be possible to develop maximum limits.
- c) That it might be advisable to indicate a basic fibre length as well as strength, i.e. groups 4,5,6 fibre.
- d) Eventually, that the group numbers 4,5,6 only be printed on bags.

It was pointed out that correlation of S.U. equipment might take up to three months. This correlation, however, is merely the mechanics in the proposed method and not the principle. It is not intended to railroad the acceptance of the S.U. Test as a standard, but obviously, one cannot catalog fibres under S.U. unless the S.U. Test is accepted as a standard. The

resolution should leave out the word 'asbestos-cement', since the Strength Unit Test can be used to advantage in other products.

The question was asked whether the Sherbrooke Research Testing Laboratory was adequately set up to test exchange samples instead of individual companies doing their own testing. This laboratory presently checks and correlates all U.S. machines and, if the Strength Unit Test is adopted as a standard, the inspector will have to report S.U. figures for all companies samples.

Problems might be encountered at first in classifying fibres presently in stock according to S.U. until the mechanics are ironed out, especially if customer wants more than one test specification. The rapid test (15 minutes) and the accelerated S.U. Test should eliminate these problems. The Sherbrooke Laboratory should also eventually supply a standardized cement.

The chairman reported that the University of Sherbrooke proposes that only \$25. instead of \$50. be awarded towards the student thesis on asbestos fibre and concrete. It was pointed out that the results do not correlate with those of Dr. Collins and that the conclusions do not appear too significant. The director of the Sherbrooke Laboratory requests that he may be allowed to carry on this work with a summer student: the request is accepted by the directors.

Approval was given to a recent purchase of equipment for the Sherbrooke Laboratory. It was also moved and seconded that the 'Sick Leaves Benefits Plan' of the University of Sherbrooke be accepted for the Sherbrooke Laboratory employees as

established for all University employees who are neither professors nor officers. Adopted.

Industrial Relations

The chairman of the committee recommended that the hygiene engineer of the Association be permitted to travel to Houston, Texas, and view new equipment available for industrial use; cost of the trip, approximately \$400. Adopted.

It was moved:

- " That the directors approve the new salaries established for the Civil Service Classification Grades 18-21 (inclusive), insofar as they apply to the General Mine Rescue Superintendent, Mr. Marc Foy, and the Thetford Mines Rescue Superintendent, Mr. R. Houde, granting an increase of \$500. retroactive to November 1964. Adopted. "

The purchase of an air compressor for the Thetford Mines Rescue Station was brought up for discussion and the meeting decided that this piece of equipment was not essential to the operation of the Rescue Station, and therefore, the proposal was rejected. An additional amount of \$100. for the Annual Safety Competition budget was approved.

Discussion was held on the current standing of negotiations at various plants. An offer has been made by one company for a three-year contract.

Traffic

A meeting with the United Kingdom Shipping Conference was held on March 11th. Last year, shipments of a substantial amount of fibre had to be negotiated with outside carriers, pointed out the chairman of the committee. This year, the UK Conference has agreed to release ten thousand tons to be shipped by other carriers because of their own incapacity to provide cargo space; however, an increase in rates will be asked.

It has been learned that the Japanese Importers Association had been negotiating rates for shipments to Japan. The kind of service offered, however, is not known.

The Canadian Exporters Association is about to achieve the project of having an office in Montreal for the River Plate Conference.

Legislation and Taxation

The chairman of the committee gave a detailed report of the actions and representations made on behalf of the Association to the Government concerning Bills 8 and 9. Following a meeting of the committee held on February 17th to review the new legislation, two meetings were held with the top staff of the Department of Natural Resources and two meetings with the minister himself, the Honorable René Lévesque. Based on the remarks of the minister at these meetings, it is expected that Bill 9 will be amended to allow sales and marketing expenses as a production expense and also mining roads as an operating expense or depreciable property.

It is moved that the minutes of the special meeting re Bills 8 and 9 held on February 17th, 1965 be adopted. Carried.

Public Relations

Mr. Emilien Maheux, member of Parliament for Megantic, has approached Asbestos Corporation and Lake Asbestos of Quebec to organize a plant tour for Honorable René Lévesque, his top staff and the press, with the object of getting these people acquainted with the mining industry. It is proposed to provide the visitors with all information available on operations, employment and safety in the asbestos industry. The group is scheduled to visit Thetford Mines area, Friday, March 26th. They plan to go to Noranda on March 27th, and thence, to Gagnon and Sept-Îles on March 28th and 29th.

Institute of Pathological Research

Several meetings of the committee have been held in recent weeks and a trip to the important European industrial medical centers was completed by the committee. It was reported that the three main centers visited have a hospital coming somewhat under their supervision; this is a very efficient set-up for epidemiological study, since the families of the workers can be examined and taken care of at one place.

Dr. J.A. Vidal has accepted to direct the proposed institute at a salary of \$15,000. per year. Agreement is expected to be reached with the University of Montreal whereby the control will stay with our group but the University would have a right of veto through their faculty of medicine. It is suggested that proper financial control for the Institute be established as soon as possible. A full report on the organization and objectives of the Institute will be prepared and submitted at an early date.

Quebec Employers Council

The promoters of this new organization have insisted on the participation of our Association on several occasions lately. It has been decided that the Quebec Asbestos Mining Association will continue to attend the meetings as an observer.

Asbestos Products Handbook

Distribution of the brochure has been completed with 1,500 copies going to Expo '67 and 2,500 to Canadian firms of architects and consulting engineers. Additional copies will be mailed to member companies as requested.

NEW BUSINESSCIM Annual Meeting

The President and General Manager are planning to attend the annual CIM meeting in Toronto on March 28th to 31st.

On this occasion, a meeting of the Provincial Mining Associations will be held Sunday, March 28th.

Accounts payable ratified as follows:

Editorial Associates Limited (EDITAS)

January	\$ 7,510.94
February	5,350.44
Supplementary	<u>566.00</u>
	<u>\$13,427.38</u>

Canadian Institute of Mining and Metallurgy	<u>\$ 500.00</u>
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Maurice Mainguy, architect - Expo '67 Pavilion	<u>\$ 5,833.00</u>
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Statement of fees and disbursements in connection with his services to the Association during 1964 was submitted by Counsel.

Can-American Standards Committee

A questionnaire has been received from this committee regarding asbestos fibre used in the manufacture of asbestos-cement products. A tentative answer has been prepared by the Association representative on ASTM, copies of which have been circulated to each member for his perusal. If member companies wish to submit comments, a composite answer can be elaborated with the help of the chairman of the Uniform Classification and Grading Committee.

Next Meeting

Next meeting of the Association will be held on May 24th in Quebec City.

Adjournment

There being no further business the meeting adjourned.

"Source: Jeffrey Mine"

MINUTES OF THE SPECIAL MEETING OF THE QUEBEC ASBESTOS
MINING ASSOCIATION HELD ON TUESDAY, JULY 27th, 1965,
AT THE Keltic Lodge, Cape Breton Island, Nova Scotia

Present:

Messrs.	M.J. Messel	R.C. Bradford	J.R.M. Hutcheson
	J.O. Eoy	C.B. Burnett	J.F. Jenkins
	K.V. Lindell	I.C. Campbell	W.W. Oughtred
	J.A. Main	M.P. Carson	F.P. Smith
	P.A. Meyer	R. Dodds-Hebron	I. Sabourin
	A.L. Perhale	R. Hackney	P.A. Filteau
		M.W. Hendry	

The president, Mr. M.J. Messel, was in the chair.

Minutes of the special meeting held at the Jamaica Hilton Hotel, Ocho Rios, Jamaica, on February 4th, 1965, were adopted.

Technical Committee

The chairman, Mr. Dodds-Hebron, reported that his committee had continued to hold meetings every other month. His predecessor, Mr. George F. Jenkins, who has ably guided the committee since its inception, has tendered his resignation at the 39th meeting of the committee.

The title of the new fibre testing manual has been revised to read: "Testing Procedures for Chrysotile Asbestos Fibre"; the colour of the cover will be green and index to be simplified as much as possible. In addition to the testing manual as a whole, a digest of the manual and individual copies of the various test procedures will be available.

- g) Modified Suter-Webb Comb Test - The Technical Committee has adopted this test procedure as recommended by AII;
- h) Fibre Strength Unit Test - A sub-committee was appointed to clarify wording in test procedure.

An official vote of thanks was moved towards Mr. George F. Jenkins underlining the contribution and guidance provided by the latter in presiding the affairs of the Technical Committee. In accepting, Mr. Jenkins stressed the cordial assistance he had received from the members of his committee.

Uniform Classification and Grading Committee

The President of the Association read the letter of resignation of the chairman of the committee, Mr. F.P. Hodgson, who has recently left his position with Flintkote Mines Limited.

The President also read a report from the resigning chairman in which the latter indicated that:

- a) Instructions have been given to the Fibre Inspector concerning collection and reporting of Group 3 fibres (see detailed report attached);
- b) Testing of sixth exchange of samples has been started and results of groups 4 and 5 have been issued, group 6 results to be issued in the near future;
- c) Salary adjustments at the Université de Sherbrooke become effective September 1st. The resigning chair-

technicians and \$300 per year for the director, it is generally agreed that the director, Mr. J.J. Paré, has done a good job (copy of Université de Sherbrooke salary scale attached);

- d) Opinions have been received from M.J. Marcus of Cowling, MacTavish, Osborne & Henderson, patent attorneys in Ottawa, concerning the patentability of the use of asbestos fibre in high aluminous cement and in concrete spun packed pipe, and also, concerning the patentability of sonic separation of chrysotile asbestos fibres from natural impurities. These searches have been given to the General Manager for further handling. The draft of proposed patent application in the case of sonic separation will be forwarded to the inventor, Professor G.A. Collins, for verification and comments. Inquiries will also be made as to cost of application.

The directors proposed a vote of thanks to Mr. Hodgson for his excellent work. A letter expressing their appreciation to be forwarded by General Manager.

It was recommended that Mr. Harry Foster be nominated chairman of the Uniform Classification and Grading Committee to succeed Mr. Hodgson. Approved. His superiors to discuss the matter with Mr. Foster and advise General Manager.

Industrial Relations Committee

The chairman stated that no meeting of his committee had been held since the last special meeting. The reports of the Dust Control Engineer have been circulated regularly; the latter has undertaken experimental work on noise at certain plant locations.

A letter was received from the Workmen's Compensation Board explaining the changes in merit rating. The rate has been increased from \$0.35 to \$0.50. Following a request from the treasurer, Mr. George Robinson, supplemental explanations were given by the Board in several letters circulated to members of the Association. Although the Board does not seem to favour the merit rating system, it was suggested that the industry should endeavour to maintain the present merit rating system.

The meeting was advised of the Government's intention to set up in the near future a provincial joint safety committee. As to the implementation of the clause in the New Mining Act which provides that the mine inspector may request the presence of a union representative during an inspection, the Government has not been able so far to determine a practical procedure.

The chairman also pointed out that the implications and complications of the supplemental Pension Plan (Bill #52) should be perused carefully and their application kept under close scrutiny.

Traffic Committee

The chairman briefly reviewed a recent report on restrictive practices released by the Combines Legislation Board, in which certain regulations are recommended. A copy of this report to be sent to all members.

As reported previously, the River Plate Conference has set up a Canadian office in Montreal; a meeting will be held in September to discuss rates.

In a recent bulletin, the National Harbours Board announced an increase from 25% to 50% in top wharfage surcharges effective August 1st, 1965; it would seem that, one way or another, these increases will be passed on to the customers.

With the adoption of the metric system in Great Britain, it was pointed out, we should foresee the day when said system will be adopted as the normal shipping basis.

Legislation and Taxation Committee

The chairman pointed out some of the effects of Bill #52 on present pension plans, such as:

As of January 1, 1966, no changes can be made in present plans before prior approval from Government of Quebec;

Vesting privileges are accrued to an employee, either after the age of 45 years or after ten years of services.

The Joint Taxation Committee of Quebec Metal Mining Association and Quebec Asbestos Mining Association have held a meeting to draft up a short brief requesting clarification on certain clauses of the Mining Duties Act; explanations to be limited to points that can be safely questioned. Copies of brief to be circulated in due course.

Public Relations Committee

The need for effective publicity on the question of asbestos and its incidence in lung cancer was discussed. It was pointed out that several customers have written to their asbestos fibre suppliers requesting information of news value to counteract publicity released in recent months in Canada and United States.

The chairman of the committee of the Institute of Pathological Research explained that there was nothing newsworthy in the results of the work done at Saranac Lake or any previous work. He stated that the report to be submitted by Dr. MacDonald following his epidemiological study of the overall problem might provide an occasion for a news article on the present situation in the asbestos industry. Dr. MacDonald is a persona grata, here and abroad, and with the tacit permission of his superiors could possibly work on this question with both, McGill University and Université de Montréal.

At this point, at the suggestion of the chairman of the Public Relations Committee, Mr. L.L. Knott, public relations counsel for the Association, was invited to present his views on the public image of the industry. Mr. Knott commented that, presently the political and economical climate in the Province of Quebec requires that industry be on the alert. Pressures for nationalism are exerted by young people on political leaders. Appeals are made to nationalization as a means to help French Canadians participate in the economy. Strikes are numerous, and generally, on economic grounds.

Mr. Knott suggested to intensify efforts to explain industry to people of Quebec. Short articles could be printed and distributed to all media of information. Spot radio releases and possibly, one or two minute TV film strips could be sponsored. A sound background fact sheet on asbestos and cancer should be compiled as soon as possible in the face of the present stirring-up of stories on asbestos as a possible cause of lung cancer. A press conference with scientific writers could be convened following the completion of Dr. MacDonald's study, assuming that his report will constitute a newsworthy source. All these items, pointed out PR counsel, can be handled within present budget limits.

NEW BUSINESSCIM Education Committee

In a letter to the President of the Association, the chairman of the General Committee on Education for CIM, Mr. R.D. Hindson, appealed for financial support towards the continuance of the work of his committee. In line with the previous response given two years ago, it was moved and adopted that a contribution of \$500 be made towards said committee.

Mines Ministers Conference

Following invitation received from Honorable René Lévesque, it was proposed that at least the President and the General Manager of the Association attend said Conference. On this occasion, a joint meeting of the Provincial Mining Associations will be held.

Expo '67

The Association has been approached again with the suggestion to sponsor one of the plazas to be erected by the Expo Corporation. The Association to submit ideas on how it could effectively be represented in the proposed project. It was moved and adopted that the amount of the Association participation in such a plaza shall not exceed \$65,000.

Comments on General Business Conditions

As regards Johns-Manville in USA, the meeting was informed that sales of asbestos friction materials were ahead of last year by 5%, sales of textile also by 5%, paper ahead 10%, pipe also 10%, flooring 3% up, shingles slightly ahead; insulations and asbestos sheets (flat and corrugated) are about at a stand-off. The international asbestos market is not as good as last year, particularly in France and Japan.

In reporting on AS&R Company, the President commented that business was very good especially in copper building materials; steel, however, is giving increased competition. In Europe, business in France is slowing down and in West Germany is on a plateau, which is considered good. As to the fibre business, there is a slight change in the original forecast.

The management of Asbestos Corporation Limited is a little disappointed in the volume of shipments, somewhat lower than expectations, especially in Japan and West Germany. In other European countries business is reasonably good; business in England, however, is a little lower than last year. From a long range point of view, there is no reason to change forecast of an increasing fibre demand.

The Flintkote Mines, it was reported, is operating close to capacity. The company is not purchasing as much fibre as it used to because of strikes. However, the management is looking forward to the balance of the year with confidence and is optimistic for 1966.

The Bell Asbestos Mines shipments are behind last year but expected to catch up by the end of the year. The company is experiencing somewhat the same conditions as other companies in Japan, France and Mexico.

In the case of Nicoret Asbestos Mines, the interests of which are mostly in the United States, business is expanding and is ahead of last year. The company expects that business will continue to be good next year also.

Next Special Meeting

The next special meeting will be held during the last week of March 1966, more specifically, Thursday, March 31st and April 1st and 2nd. The General Manager to check on following possible suggested locations: Acapulco, Porto Rico, Guadeloupe.

Adjournment

There being no further business meeting adjourned.

UNIVERSITÉ DE SHERBROOKE

SALARY SCALE FOR TECHNICIANS

Adopted by the Board of Directors, August 14th, 1964

B. Sc.

<u>GRADUATE TECHNICIANS</u>	<u>GENERAL</u>	<u>SPECIALIZED</u>
4,200	5,500	5,800
4,400	5,800	6,100
4,600	6,100	6,400
4,800	6,400	6,700
5,000	6,700	7,000
5,200	7,000	7,300
5,400	7,300	7,600
5,600	7,600	
5,800		
6,000		
6,200		
6,400		
6,600		
6,800		
7,000		

GRADUATE TECHNICIAN:

In charge of laboratory: add \$300 to base rate (maximum: \$7,500) annual raise \$300.
University experience or the equivalent \$200 per year (maximum: \$1,200).
Industrial experience 3 years x \$200 + 3 years x \$100 (maximum: \$900) - (combined maximum \$1,200).

B. Sc.

In charge of laboratory: add \$300 to salary
(Maximum \$300 more).

University or industrial experience required \$300 per year
(Maximum \$1,500).

Work: 40 hours per week

Vacation: 3 weeks after 1 year or 6% of earnings.

Three years experience at the Université de Sherbrooke
are required to be in charge of laboratory. This applies to a
graduate technician.

Scale for a Professor holding a M.A.Sc.

Assistant(\$300.00 annual raise)

1st year	\$6,700 (lecturer)		
2	7,500 (promoted assistant)		
3	7,800		
4	8,100		
5	8,400		
6	8,700		
7	9,000	Associate	
8	9,300	Professor (\$400)	
9	9,600	\$ 9,800	
10	9,900	10,200	
11	10,200	10,600	
12	10,500 (Max.)	11,000	
13	"	11,400	Full
14	"	11,800	Professor (\$400)
15	"	12,200	\$12,700
16	"	12,600	13,100
17	"	13,000	13,500
18	"	13,300 (Max.)	13,900
19	"	"	14,300
20	"	"	14,700
			15,000 (Max.)

July 27, 1965

REPORT - UNIFORM CLASSIFICATION AND GRADING COMMITTEE

Inspector

1. The Inspector's reports for June 21 and July 15 have been distributed.

Since the last meeting, the Inspector has collected 63 samples. 35 of these samples were sent to Sherbrooke to date.

Instructions have been given to the Inspector concerning the collection and reporting of Group 3 fibre. He is to hand open and open mechanically (where an opener is used by the company) all samples and pass his results on to the Laboratory. The Laboratory will report his Q.S. test results in addition to their own. Problems are foreseen and the mechanics will have to be worked out as they occur.

2. Laboratory

Testing on the sixth exchange of samples has been started. The results of Group 4 and Group 5 have been issued. Group 6 results will be issued in the very near future.

The Inspector has collected some Group 7 samples for shipment to the Laboratory immediately after annual vacation.

Salary adjustments at the University are effective September 1. I have made my recommendations to the President in a separate letter.

The Laboratory is closed this year for annual vacation from July 12 to July 26.

Since the last meeting, we have completed the installation of the Meta filter, completed the addition to the Laboratory and ordered the tables and benches for the additional space. The electric powered Gestetner duplication machine was ordered. No expenditures not covered by budget have been made.

3. Uniform Classification and Grading

It has not been possible to call a meeting of the committee to consider the resolution prepared by Mr. Sabourin concerning the adoption of the Strength Unit test as a standard test. I have

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distributed the resolution to all members for their consideration and asked that they come to the meeting prepared to vote, if it is felt that a vote should be taken.

I included two other tests which should be voted on separately, if desired.

I would, however, recommend that the committee reconvene before a vote of the directors is taken.

4. Research

Ottawa has continued work with Iodine Absorption as a measure of harshness. Their results do not seem to be conclusive. They expect the report to be issued shortly. Very little actual work had been done on length measurement, however, this has not been forgotten.

5. Patents - Ottawa

I have received correspondence from Mr. M.J. Marcus of Cowling, McLavish, Osborne & Henderson, Patent Attorneys in Ottawa, forwarding patent searches on Cases 1, 2, 3(?). These searches were given to Mr. Filteau who can report on their contents.

F.P. Hodgson

FPH/m/st

July 21, 1965

"Source: Jeffrey Mine"

MINUTES OF THE 95th MEETING OF THE
QUEBEC ASBESTOS MINING ASSOCIATION
HELD ON MONDAY, NOVEMBER 29th, 1965
AT THE CHATEAU FRONTENAC, QUEBEC CITY, P. Q.

Present:

Messrs.	M.J. Nessel	I.C. Campbell	D. Poirier
	J.O. Eby	R. Dods-Hebron	F.P. Smith
	R.S. Coleman	H. Foster	Geo. Robinson
	K.V. Lindell	J.R.M. Hutcheson	I. Sabourin
	P.A. Meyer	R.J. Merrill	P. A. Filteau
	Geo. W. Smith		

Mr. Nessel presided at the meeting. Following a correction to the minutes of the 94th meeting pointing out that under Technical Committee, the sub-title "Fibre Strength Unit Test", on page 2, should read "Bauer-McKett Test", the minutes of said 94th meeting were adopted.

Technical Committee

The Chairman explained that the meeting of the Technical Committee would be held the following day November 30th. This scheduling was unavoidable, since the meeting is in Ottawa at the invitation of the Mines Branch of the Federal Government.

Concerning the revised Manual of Test Procedures, it was stated that the ATI Committee has encountered several editing delays and that the latest completion date is estimated to be late January or early February 1966.

Uniform Classification and Grading Committee

Since the last meeting of the Association, the Committee met twice, on November 4th and November 24th. The Chairman reported that in attempting to correlate the S.U. machines, a study of the S.U. figures obtained by five different companies on the same fibres indicated that, at present, there was quite a spread on the reported figures. In view of these findings it has been suggested that senior company technicians visit various laboratories to help standardize techniques. In addition, future round robins will use standard cement, silica, and degree of openness.

At the request of the Chairman of the Committee, Mr. Paré has been asked to explore mathematical approaches to these variations. A request to spend up to \$500 for payment of professional fees to mathematicians of the Université de Sherbrooke was authorized by the directors. It was agreed that the method of testing should be thoroughly checked first, since it may be a question of procedure; yet, it was pointed out, there are obvious discrepancies. It was also suggested that someone in the Johns-Manville Research Laboratory, familiar with this kind of work, could possibly assist the Sherbrooke mathematicians in putting together the preliminary statistical data.

A definition of the S.U. Fibre Classification accepted by the subject committee was presented for consideration:

" The classification of asbestos fibres based on fibre strength units is:

- a) Group 4 fibres are fibres that are within the group 4 Quebec Standard Test classification and which have a minimum fibre strength unit of sixty-five (65).
- b) Group 5 fibres are fibres that are within the group 5 Q.S. Test classification and which have a minimum fibre strength unit of fifty-five (55).
- c) Group 6 fibres are fibres that are within the group 6 Q.S. Test classification and which have a minimum fibre strength unit of forty-five (45).

Subdivisions of all groups to be based on increments of five (5) strength units. "

The proposed classification was discussed at length. It was suggested that the S.U. classification should be indicated on tags used for fibre shipments; the matter requires further study.

It was remarked that the Q.S. classification was included in the original proposal merely for freight classification purposes (see attached memorandum re freight classifications and Q.S. Test). The S.U. classification is meant to meet new customer specifications. A double guaranteed specification should be avoided. It was submitted that it might be useful

during the transition period to use both identifications; this would also assist the inspector with regards to fibres in storage. In overseas shipments, it has been found that, very often, the lot number tags are found in the ship hold; accordingly, it would be preferable to have some sort of marking on the bags.

It was proposed that the member companies study the proposal tabled by the Uniform Classification and Grading Committee to see how it fits with each company's particular problems and in which way it can be resolved. Suggestions from companies should be submitted by their respective representatives at the next meeting of the Technical Committee.

It was agreed that the fibre inspector continue his present procedure but, where a fibre was designated as a S.U. grade, the inspector will send a sample to Sherbrooke for a S.U. Test. The results would be reported along with the Q.S. findings.

As to the McKett classification, correlation of results will be attempted when figures are received from a sufficient number of companies.

The Chairman of the Committee also referred to the question of procedure regarding drawings of Q.S. Testing Machine sent by Mr. Paré to the African Associated Mines. These drawings had been obtained from the Canadian Government Specification Board in Ottawa and sold at \$10 per set. In the future such requests should be referred to the General Manager.

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A second letter from Mr. H. Hiendl of Germany has been received by the Chairman of the Committee in which the former requests authority to include some parts of the Manual of Test Procedures in a book he is about to publish on asbestos cement machines. The manual is copyrighted and any reference should be acknowledged. A proposal was accepted suggesting that the old Uniform Classification and Grading Committee records in the Johnson's Company files be forwarded to the General Manager's office in Quebec City.

Industrial Relations Committee

With reference to the minutes of the previous meeting, the Chairman of the Committee moved that a sound meter be purchased at a cost of \$1,500. Permanent sampling stations to be established and the dust control engineer would take counts at time of dust sampling. Adopted. More information on additional help required to be submitted at next meeting.

On a motion duly made and seconded it was resolved that the allocation of costs of the Thetford Mines Rescue Station during 1966 be calculated on the following basis:

Thetford Mines Rescue Station:

a) Building and Equipment (Capital cost, rent, maintenance, etc.)

QMMAPA (Solbec)	59 men	18%
QAMA	269 men	82%
	<u>328 men</u>	<u>100%</u>

b) Superintendent's Salary:

QMMAPA (South Shore)	393 men	60%
QAMA	269 men	40%
	<u>662 men</u>	<u>100%</u>

c) Superintendent's Travel Expenses to Gaspe, Solbec and New Calumet:

QMMAPA	100%
QAMA	nil

to Asbestos:

QMMAPA	nil
QAMA	100%

General Superintendent (Mine Rescue Training Plan)

Salary and Travel Expenses:

QMMAPA	4,815 men	95%
QAMA	269 men	5%
	<u>5,084 men</u>	<u>100%</u>

ADOPTED

The purchase of additional mine rescue equipment was left with the two member companies having underground operations. These two companies to contact QMMAPA as to action taken.

The Committee will hold a meeting on November 30th at which time, a representative will be appointed to meet with the representatives of the Provincial Departments of Labour and Natural Resources to discuss the application of Articles 260 and 266 of the New Mining Act.

The contents of an appropriate reply to the letter from the District Inspector of Mines, Mines Branch, Australia, were briefly reviewed by the Chairman of the Committee for the general acceptance of the meeting.

Traffic Committee

The Chairman of the Traffic Committee drew attention to the memorandum circulated earlier in the meeting having reference to Quebec Standard Testing procedures and freight rates. Copy of memorandum is attached.

He reported that, earlier in the month, the Traffic Committee had reached an agreement with the Canadian Continental East-bound Freight Conference for rates on asbestos for the period 1st January, 1966, to 31st March, 1967, at an increase of \$1.00 per ton (6%).

The formation of a Canadian Shippers' Council under the auspices of the Canadian Exporters' Association is proceeding.

It was reported that there was a danger of a strike of dock workers at Quebec taking place on or before December 10th, and that arrangements were being made to establish a special rail rate from the Thetford Mines area to Three Rivers in the event that such a strike were to take place.

A new system for the collection and payment of top wharfage charges levied by the N.H.B. has been adopted on an interim basis for the period ending December 31st, 1965. The system does not change the arrangement whereby the shipper is now responsible for the payment of such charges, and it was reported that these additional costs were being passed on to the customer.

Legislation and Taxation Committee

Government bulletins on supplemental pension plans were distributed.

Public Relations Committee

The Chairman reported that the preparation of proposed TV spots is under way and the material should be ready for next meeting.

Institute of Pathological Research Committee

In his brief review of the recent Antigua occupational study-conference, the Chairman stated that some twenty-seven doctors and industrial hygiene experts had attended this meeting. There were six people from the QAMA and two steno-typists completing the group.

In order to avoid any control of the discussions by QAMA, Dr. Grégoire of l'Institut Levoisier of Montreal presided at the various sessions. From the conclusions of the meetings, a tentative program was elaborated. Any formal program, however, will be submitted for consideration only after full review of the minutes of the Antigua Conference. Copies of these minutes will be distributed to all attendants as confidential material for personal use only.

A first and unanimous recommendation was the carrying out of the epidemiological survey proposed by Dr. Mc Donald. The consensus of opinion seemed to point out that the QAMA should take into its hands the ways and means to conduct the necessary research instead of doing it through universities or letting it fall in the hands of the Government. As an example, it was recalled that the tobacco industry launched its own program and it now knows where it stands. Industry is always well advised to look after its own problems.

It was suggested that the companies come prepared at the next meeting to discuss the epidemiological proposal, copies of which were distributed at the Sherbrooke meeting on September 20th, 1965. Part of this epidemiological survey would encompass, as a prospective study, the lengthy and tedious task of reading some 16,000 X-ray pictures in the files of the asbestos companies. The suggestion was to retain the services of an outside doctor, since it seems doubtful that Drs. Cartier and Grainger could undertake such work on top of their regular assignments.

Expo '67

The announcement of the QAMA participation is scheduled for Monday, December 6th, at a press conference in the offices of Expo Corporation. Messrs. Messel, Campbell, N. Barr, John Gossip and Paul Filteau to attend.

NEW BUSINESS

Accounts payable ratified as follows:

Editorial Associates Limited (EDITAS) -

September	5 350 44
October	5 350 44
	<u>\$10 700 88</u>

St. George's Club Christmas Staff Fund

\$25 00

ADOPTED

Decease of Judge André Sebourin

The Counsel thanked the members of the Association for their kind expressions of consideration and condolences upon the death of his brother André.

Next Meeting

Next meeting of the Association will be held on January 31st, 1966, at the Chateau Frontenac in Quebec City.

Adjournment

There being no further business the meeting adjourned.

20th

"Source: 10/11/66"

MINUTES OF THE 96th MEETING OF THE
QUEBEC ASBESTOS MINING ASSOCIATION
HELD ON MONDAY, MARCH 7th, 1966
AT THE CHATEAU FRONTENAC, QUEBEC CITY, P.Q.

Present:

Messrs. D.J. Messel
J.D. Eby
P.A. Meyer
M.W. Doughtred
Geo. W. Smith

I.C. Campbell
R. Dodds-Hebron
W.H. Foster
J.R.M. Hutcheson
R.J. Merrill

I. Sabourin

L.D. Montpetit
A.L. Penhale
D. Poirier
F.P. Smith
G. Robinson

P.A. Filteau

The minutes of the 95th meeting of the Association being the first item on the agenda, the Chairman, Mr. Messel, asked for comments, if any, or a motion of adoption. Moved by A.L. Penhale and seconded by P.A. Meyer that minutes be adopted. Approved.

Technical Committee

The Chairman reported that two meetings of the Technical Committee had been held since the last QAMA meeting. The sub-committee on oil absorption expects to complete a round-robin series of test using several liquids with the penetration test procedure. The fibre strength unit test sub-

committee is continuing to review the wording of the procedure in co-operation with the efforts of the Uniform Classification and Grading Committee. The work on the filtration of asbestos cement silica mixes is progressing.

A change in the work of the Technical Committee seems to be evolving, said the Chairman, and branching into other groups, such as ASTM and the Uniform Classification and Grading Committee. It is hoped that ASTM will adopt our test methods instead of something of their own; ASTM seems to be receptive.

The visit of the Committee to Ottawa on November 30th, 1965 proved to be informative and of interest to all members who could attend. The Department of Mines and Technical Surveys expressed their desire for the asbestos industry to advise them where they may assist in technical work.

Industrial Relations Committee

The last meeting of the Committee was held on February 8th, 1966. The greater part of the meeting, reported the Chairman,

was spent reviewing safety regulations in mines; a list of suggested clarifications and changes was prepared and it is planned to discuss the latter at a joint meeting with CMMA.

We have been advised informally that no change will take place for the time being in the procedure presently followed by the mine inspector when visiting mine operations. No union man will be asked to accompany the inspector, since the former is covered neither by the Workmen's Compensation Act nor by his own company Group Life and Accident Insurance plan.

A review of the Merit Rating Plan, as per letter received from the Treasurer of the Commission, Mr. L.P. Pelletier, indicates a higher provisional rate for 1966, i.e. \$2.25. Following charges made for claims in 1965, there has been an increase in the deficit totalling \$173,141. It is planned to pay a visit shortly to the offices of the Workmen's Compensation Board and review the whole situation.

Uniform Classification and Grading Committee

The Chairman reported that the fibre inspector had recently undergone surgery and he possibly would be off for another two or three weeks; as a result the Sherbrooke Laboratory is

running short of work. Concerning a pay increase for the Inspector, the Chairman recommended that his salary scale be tied to the Asbestos Corporation plan, as it is actually for his fringe benefits. If this is approved, his salary will be raised to \$645 per month on July 1st, 1966, and would coincide with the mid-point salary of a chief tester at Asbestos Corporation. Recommendation adopted by Directors.

The Chairman then asked for the approval of the 1966 budget for the Sherbrooke Laboratory in the amount of \$57,995, practically the same as in 1965. The 1966 budget includes anticipated salary increases as per University of Sherbrooke plan. Adopted.

In view of the leaving of Mr. J.J. Paré in May next, the Chairman had a discussion with the University concerning his replacement. Mr. Normandin, of the University, stated that the new director should be one acceptable to the University, however, he would not be considered a member of the University staff. Mr. Normandin also indicated that the University would prefer to have more actual research or study carried out by the Association Laboratory. It seems that the Association should try to obtain, as a director, a man with a

B. Sc. in Chemistry or Physics; he could be allowed to take postgraduate courses at the University. The General Manager was asked to advertise in the Montreal, Quebec and Sherbrooke newspapers for a man with the above qualifications at a salary range of \$5,300 to \$10,800 depending on qualifications; moving expenses to be paid. Agreed.

The SU sub-committee has visited all labs; their individual findings have been passed on to the sub-committee chairman who will submit a report within a month. It has not been possible, however, to reach agreement on the SU classification wording. An attempt will be made to resolve this wording at the next meeting of the Uniform Classification and Grading Committee.

In correlating McNett results, it has been found that variations of plus or minus 4% are produced no matter what mesh of fibre is measured; depending on the split on each screen percentage-wise, it is obvious that such variations could be extremely high in the case of low percentages.

A letter from the Department of Mines and Technical Surveys has been received requesting a contribution of \$3,300 from the Association towards the purchase of a Zeiss particle sizer

which the Department would like to develop as a means to measure fibre length and diameter. The Chairman said he would like to visit again Ottawa prior to the next special meeting, at which time he would make his recommendation; the suggestion was accepted.

Traffic Committee

It was reported that the London Dock situation has improved and that the U.K. Conference were now prepared to accept either laminated or paper bags for normal shipments although the ratio of laminated paper on such shipments and the rates to apply have yet to be negotiated with the Conference at a meeting to be held on March 17th.

Discussions concerning the level of rates to the River Plate Conference are still under way.

Members have received notification from the Canadian Freight Association that the agreed charge rates from the mines to St. Lawrence River ports for export are to be increased effective June 1st, 1966, as follows:

4	cents	per	100	pounds	on	fibre
2	"	"	"	"	"	waste
2	"	"	"	"	"	shorts

It is intended to have meetings with the Railroad Companies to discuss this increase.

A preliminary organizational meeting of the Canadian Shippers Council is to be held in Montreal on March 16th, to which all interested associations engaged in export have been invited to attend. The Chairman of the CAMA Traffic Committee is to act as pro tem chairman for this meeting.

Legislation and Taxation Committee

A joint meeting with the Tax Committee of the Quebec Metal Mining Association is scheduled for March 17th to discuss the implications of the Bélanger Commission report, and members were invited to attend.

Public Relations Committee

A report from Public Relations Council will be available for the meeting in Puerto Rico.

Pilot films for TV showing are to be available for the meeting at Puerto Rico, and the Manager was requested to ask for a 16mm projector and tape recorder to be available there in order that members could view these.

In view of the continued bad press on the subject of asbestos on cancer and in particular with respect to the latest release by Dr. Selikoff, it was agreed that a release covering the Association's activities in this field should be made available as soon as possible and that the Association's Public Relations Counsel be retained to handle the release as soon as it is available. It was pointed out that the manufacturers of asbestos products are counting on the QAMA to issue appropriate statements.

Institute of Pathological Research Committee

Counsel for the Association explained that the Antique Meeting was convened for the specific purpose of obtaining advice as to how to proceed with the proposed Institute of Pathological Research. It was generally agreed that QAMA was the body to initiate such a project in Canada, the first step being to launch the epidemiological study by Dr. McDonald. After a discussion of the study, it was suggested that the scope be restricted and qualified; its results could be released without necessarily a university stamping approval.

Recently, a meeting of Drs. Wright (Cleveland), Brown (Pittsburgh), Vidal, Grégoire, Guy, Messrs. K.V. Lindell and Ivan Sabourin was held to discuss the setting-up of an organization to be known as the Asbestos Health Research Council (A.H.R.C.) as well as

a tentative budget for the first year. After an extensive report by Counsel, it was decided to ask subject committee to submit to the QAMA Directors a specific and firm recommendation concerning the first year operating budget, inclusive of Dr. McDonald's study. The Committee (Messrs. Lindell and Sabourin) was congratulated for having obtained Dr. George Wright on the Scientific Committee.

Expo '67

Contract to be signed as soon as minor details are adjusted. The General Manager to inquire into the feasibility of building a large representative asbestos block from slab sections prepared by the stone cutter of St. Gerard, Wolfe County. The rock will come from one of the asbestos mines of Thetford Mines.

Accounts payable ratified as follows:

Editorial Associates Limited (EDITAS) -

November 1965	\$ 350 44
December 1965	\$ 390 44
January 1966	\$ 350 44
February 1966	\$ 350 44
	<u>\$ 21 441 76</u>

Canadian Institute of Mining & Metallurgy
Contribution to Annual Convention (Quebec) \$ 900 00

ADOPTED

The Treasurer circulated the unaudited 1965 financial statement of the Association for the information of members.

A letter has been received from Marsh & McLennan Ltd. inquiring whether or not the Association intended to initiate any change to the pension plan of the General Manager, consistent with the Supplemental Pension Plans Act recently passed by the Provincial Government. The matter was left with the Trustees of the plan. It was moved that I.C. Campbell be appointed Trustee to replace W.J. Johnson who is about to retire. Adopted.

For the sake of prompt discharge of the affairs of the Association, it was:

- RESOLVED, That the name of Mr. Peter R. Riordon be added to the list of officers who are authorized to sign cheques on behalf of the Association and that the names of Mr. W.J. Johnson and of Mr. C.H. McNaughton be deleted from the list at the time of their retirement. —

ADOPTED

Election of Officers

The Chairman of the Nominating Committee submitted a report which recommended that the same slate of officers and committee chairmen as that of the previous year be nominated for another term of office. The motion was proposed and seconded, provided it was in agreement with the appointments of representatives by member companies. Adopted. The President, Mr. Messel, thanked the members for his re-election and expressed his appreciation for the continued support of the other officers and committee chairmen.

NEW BUSINESS

Visit of Red China Delegates

The meeting was informed that an inquiry had been received as to the possibility for a Red Chinese Mission to visit some of the Quebec asbestos mines. The consensus of opinion was strongly opposed.

Western Quebec Regional Exhibition

An invitation has been received from subject body, to participate in their annual event, the theme of which is in 1966: "The Mines -- Bulkwerk of Quebec's Economy."

The honorary president of the 1966 Expo is Mr. H.S. Bérubé, manager of Noranda Mines and former president of Quebec Metal Mining Association. It was suggested that the General Manager discuss the proposal with PR Counsel.

Next Special Summer Meeting

Proposed dates for next special summer meeting are:

July 27, 28, 29

or

August 3, 4, 5

Tentative location Murray Bay, etc.

Next Meeting

Next meeting of the Association will be held on May 30th, 1966, in Quebec City.

Adjournment

There being no further business the meeting adjourned.

"Source: Jeffrey Mine"

MINUTES OF THE SPECIAL MEETING OF THE QUEBEC ASBESTOS
MINING ASSOCIATION HELD ON FRIDAY, AUGUST 5th, 1966,
AT THE JASPER PARK LODGE, JASPER, ALBERTA

Presents:

Messrs.	M.J. Messel	R.D. Bradford	R. Hackney
	J.D. Eby	John W. Brown	N.W. Hendry
	R.S. Coleman	I.C. Campbell	J.R.M. Hutcheson
	K.V. Lindell	M.P. Carson	R.J. Merrill
	J.A. Kain	J. Christian	A.L. Penhale
	P.A. Meyer	D.I. Colton	L. Piuze
	W.W. Oughtred	R. Dodds-Hebron	F.P. Smith
	Geo. W. Smith	J.W. Duncan	W.C. Wensbrough
	H.M. Ball	W.H. Foster	Dr. Geo. Wright
	Dr. John Eeattie	G.C. Gabrielson	I. Sabourin
	Jack Berry		P.A. Filteau

Mr. Messel was in the chair.

Allocation of QAMA Expenses for 1967

It was moved that allocation of QAMA expenses for 1967 be determined on the new basis suggested by Canadian Johns-Manville, with Cessiar Asbestos Mines contributing an amount of \$10,500 towards the health research program. Adopted.

Accordingly, for 1967, technical research will be allocated on the basis of number of tests performed by Sherbrooke Laboratory and health research on the basis of sales value.

Dust Abatement Committee

A study of the air pollution at the various operating mines will be assigned to a special committee rather than to the Technical Committee. Members of the committee to be named at the September meeting.

Prudentia

An invitation to the Association to become a member of this public safety organization was tabled. The matter to be reviewed at September meeting after Companies have checked whether or not they already are members.

Occupational and Environmental Health Committee

The President of the Association welcomed our distinguished guests, Drs. Wright and Beattie, and invited the Secretary of the Special Committee, Mr. Sabourin, to open the discussion on the subject. Mr. Sabourin reviewed the composition of the Scientific Committee of the Institute and the qualifications of its present members. They are:

Dr. George W. Wright - Cleveland, Ohio

Dr. M. Cushner - New York City, N.Y.

Dr. Fernand Grégoire - Montreal, Quebec

Dr. John Beattie - Cambridge, England
 Dr. Daniel Braun - Pittsburg, Pa.
 Dr. P. Pelnar - Cleveland, Ohio

Other members could be added as time goes.

The Committee feels it should be kept independent within the scientific world and disassociated as much as possible from industry. The announcement of its formation should contain an invitation to scientists to participate in certain phases of research. Its appellation should be such as not to be tagged as a CAMA sponsored group. The Committee should be empowered to award grants for research. Projects are already being conducted in various fields considered as susceptible sources of pulmonary infection. Mr. Sabourin also referred to accusations levelled at the ill effects of so-called asbestos dust, accusations which are gathering strength and publicity in various quarters on both continents. Dr. Wright was then asked to take the floor.

Dr. Wright explained how serious the causative role of asbestos in the production of cancer appeared to be. He expressed the belief that industry desires to protect and prevent injury to

its people. To this end, basic information on the biological effects of asbestos fibre on the lungs and in the development of cancer is badly needed, v.g. the Copenhagen Chest Symposium (end of August), the Vienna Occupational Health Symposium (September) and World's Cancer Symposium (October) have the asbestosis and/or pleural plaques problem on their respective programs.

What can the Committee do?

Not bench work, but it can direct research.

How can it interest people to work for the Committee?

By direct contact with research people and direct grants to foster research.

The Federal Government in United States is currently supporting seventeen projects on the biological effects of asbestos.

The Committee knows the labor supply in this particular field and how to stimulate scientists. It needs funds to promote work in this field, as in the case of Dr. McDonald's study, for which

the funds will be payable to McGill University during three years.

How to inform the scientific world and the public at large?

It is suggested that, at some time, a short statement be released to the scientific journals on the composition and objectives of the Scientific Committee, its scope, etc.

Lay persons could then quote from the scientific journals. For the time being, this is an interim committee that can be dissolved at any moment; eventually, it can become a permanent committee.

Dr. Colton, a highly reputed scientist, working for the U.S. Government, is one who could be invited to join the Committee.

In short, before any release is issued, the full organization of the Institute should be completed. The Scientific Committee would like the Association to inform the Committee to what extent it may expect that some research grants can

be made available to the Committee for the Committee to farm out projects to research workers (of which there is a distinct dearth).

Dr. Beattie was then asked to say a few words. In his remarks, Dr. Beattie reviewed the experience of the textile industry in England. The Government had asked the engineers of the industry to draft a code of practice; yet, after several years, it was found that asbestosis was still a problem and that it had injurious effects on the lung. Dr. Beattie also summarized what took place in England over a period of ten years as to cancer incidence. He submitted:

that a certain amount of basic research is necessary; and that the personnel must be obtained without imposing too much direction; that freedom of action and a certain power to spend money on a rapid decision is required;

that budget for grants need not be too large nor extravagant;

that asbestos mining should not be considered in isolation to others, since it may be necessary to refer to silicosis as a tool of research on asbestosis. The iron and steel industry should also be interested.

The Chairman of the Occupational and Environmental Health Committee, Mr. Lindell, followed Dr. Seattle and explained the background of the present health research project. He stated that for the past thirty years, Counsel had been the adviser on the asbestos problem. Upon his appointment as Chairman, he undertook to visit with the doctors and specialists in this field to assess the work being done. In the course of these visits it was found that Dr. McDonald could conduct an epidemiological survey in the Quebec asbestos mines. A proposal was made and advice sought from competent people through the Antigua Conference. Following which, a scientific group was formed to advise and review the terms of reference of this project. This has recently been finalized.

It is agreed that the Scientific Committee should be independent and propose, while GAMA should dispose. In other words, the

Chairman is not prepared to recommend that the Association write a blank cheque. The name of the body should be broad enough as to allow other industries to join in due course, since the problem in the asbestos is rather minimal.

The Chairman then asked the Directors to authorize additional funds for Dr. McDonald's study in the amount of \$80,000 spread over three years as of October 1st, 1966, (total of \$230,000) and to approve the hiring of Dr. Pelner on a full time basis at the salary of \$25,000 per year. Adopted.

The suggestion was further made that the amount of \$80,000 could possibly be stretched to a maximum of \$100,000 for the overall project.

As recommended by Drs. Wright and Beattie, it is also agreed that the publicity, when made, be released mainly through scientific journals; said publicity to be finalized at a joint meeting of the Scientific Committee with the Public Relations Committee of the Association.

ADJOURNMENT

There being no further business meeting adjourned.

"Source: Jeffrey

MINUTES OF THE 98th MEETING OF THE
QUEBEC ASBESTOS MINING ASSOCIATION
HELD ON MONDAY, SEPTEMBER 26, 1966,
AT THE CHATEAU FRONTENAC, QUEBEC CITY, P.Q.

Present:

Messrs.	M. J. Messel	I. C. Campbell	D. Pairier
	R. S. Coleman	R. Dodds-Hebron	R. Prus
	K. V. Lindell	W. H. Foster	P. H. Riorden
	J. A. Main	J. R. M. Hutcheson	E. Robinson
	P. A. Meyer	A. L. Penhale	I. Sabourin
	W. W. Dughtred	L. Piuze	P. A. Filteau

Minutes of the 97th Meeting of the Association held on May 28th 1966 were approved.

Technical Committee

The Chairman reported that a meeting of his committee was held on September 13, at which time work of sub-committees was reviewed and can be summarized as follows:

- a) Oil Absorption Test - Work is proceeding with a new selection of asphalt vehicles.
- b) Fibre Strength Unit Test - Variations from the standard procedure followed in company laboratories are under review and an attempt is made to achieve greater reproducibility.
- c) Filtration of Asbestos-cement-silica-mixes - Results show that someother approach should be attempted. Search for this sort of measurement should continue.

- d) Magnetic Rating Procedure - This procedure must be reviewed and in this connection a meeting of the ASTM-D-13 Committee will be held on October 19.
- e) Editorial sub-committee - Mr. G.J. Foy of the Provincial department of Natural Resources has offered to revise drawings of testing equipment and have same accepted.

An invitation has been received from Ottawa to hold a meeting of the Technical Committee at the Office of the department of Mines and Technical Surveys; it is planned to hold a meeting there later on this fall. A similar invitation has been received through Mr. G.J. Foy to hold a meeting in Quebec.

At a meeting held in Montreal the week of September 18th, Cassiar Asbestos Mines offered to turn over to CAMA the results of their technical research; the matter will be brought up at the next Technical Committee Meeting.

The ASTM-D-30 Committee has appointed task forces to review the surface area, filtration, and sampling test procedures, and it is reported that the work is progressing; Mr. M. Cossette has been named on the Sampling Task Force.

The next regular meeting of the ASTM-D-30 Committee will be held in Bogota, Columbia. It is important that a representative of the Association attend this meeting in order to assist in reviewing present procedures, and possibly prevent any orientation in the thinking of the committee which might eventually be detrimental to the

Association. It is proposed that Mr. J.R.M. Hutcheon attend the meeting and that an amount of \$1,200.00 be allocated for said trip. Adopted.

Uniform Classification and Grading Committee

The Chairman reported that the work of the Sherbrooke Laboratory was proceeding normally; he pointed out that a new University salary scale had been proposed as of July 1st 1966 and in view of the Association's agreed policy in this respect, authority to adopt the new scale for laboratory technicians is granted. Under the new scale, total salaries for technicians will increase from \$25,600.00 in 1965-66 to \$29,000.00 for 1966-67.

Doctor Massey of Sherbrooke University wishes to undertake a research program on "Diseases Associated with Asbestos Exposure". It has been agreed that the Director of the QAMA Lab. would co-operate with Dr. Massey and provide samples, when available. Mr. Cossette to be requested to keep Dr. Pelnar advised.

As to the purchase of The Zeiss Particle Size Analyzer for Ottawa, it was impossible to avoid duty and taxes and as a result the price will be approximately \$4,300.00.

After a review of discussions, which took place at meeting of the Committee held during forenoon of September 26, concerning the problems inherent in new methods of fibre classification to supplement the present U.S. type of

classification, such as F.S. U., McNett & Colour, it has been agreed in principle to introduce the POINT VALUE (units) system.

Industrial Relations Committee

The Chairman advised that the brochure on noise prepared by Mr. Lachance has been distributed to all companies. His regular report has also been mailed.

Noise surveys by the engineer are under way at some locations. The regular dust surveys are continuing and the purchase of the automatic dust counter is in process.

Mine safety code revisions have been sent to the General Manager for forwarding to government, with the recommendation that the jurisdiction remains with the Department of Natural Resources.

A meeting of the Committee is scheduled for October and it is planned to have the engineer lead a general discussion on ventilation and noise problems.

No serious problems with W.C.C. One member company dealing directly with the Board has been advised that the incapacity granted to one of its employees for loss of hearing had been substantially reduced. An invitation to visit the various asbestos operating mines has been extended to the Commissioners and their top staff.

Following request received from the Department of Natural Resources, approval has been granted to the change in classification of Mr. Marc Foy, General Superintendent, Mine Rescue, Stations, to grade 24 at an annual salary of \$9,000.00

Messrs E.M. O'Brien, Asbestos Corporation Limited, and D.C. Strachan, Canadian Johns-Manville Co. Ltd, have been appointed as representatives of the Association on the Provincial Advisory Committee for the study of the Canadian Electrical Code, Part V.

Traffic Committee

The Chairman was pleased to report that at a meeting of the Committee, held in Montreal on the 21st of September, the following items were discussed:

- a) Unitization - Palletization for overseas shipments - It was reported that several shipping conferences had indicated their interest in accepting unitized shipments of asbestos with a view to a reduction in freight rates. The Traffic Committee agreed that this was worthy of investigation but did not feel that any progress could be made in this regard until such time as members had agreed upon standardization of unit loads, which they did not feel qualified to study. Accordingly it was recommended

to the Directors that such a study should be instituted by the Technical Committee to which the matter was referred.

- b) 120,000 - lb. rates- It had been agreed that application should be made on a joint basis to both the C.N.R. and U.C.R. for the establishment of 120,000-lb. rates to Official Territory in the United States. However a formal request for such rates was awaiting the approval of one member.
- c) General rates - Both Railroads and Ocean Carriers have faced substantial increases in wage costs this year, and it is expected that all rates on the carriage of asbestos are likely to be increased in the near future. Already certain domestic rail rates, switching charges and winter surcharges have been increased, and notification has been received from Australia/New-Zealand Conference of an increase amounting to 15%. The prospect of all these increases points up the importance of improving packaging and material handling procedures in order to reduce the carrier's cost as well as our own in order that rates may be kept within reason.
- d) United Kingdom regulations- The Chairman reported that it was expected that new regulations governing the handling of asbestos in the United Kingdom would

shortly be issued and that in his opinion this would require all asbestos to be packed in impermeable bags.

Legislation and Taxation Committee

Appointment with the Premier of the Province for the purpose of submitting brief on Belanger Commission Report will be asked as soon as tentative dates can be mutually agreed with QMMA. It is also proposed to continue to collaborate with QMMA on tax matters.

Public Relations Committee

A meeting of the Committee was held on August 23rd and the Chairman indicated that the members favoured a get-together with the Scientific Committee of the Institute of Occ. & Env. Health to discuss publicity relative to the establishment of the Institute.

At this same meeting, it was agreed that the P R Counsel would undertake the production of an inexpensive handout for Expo 67.

Occupational and Environmental Health Committee

A complete report on the International Conference on Chest Diseases which was held in Copenhagen from August 20th to 25th was given by the Chairman of the Committee. The Association was represented at this symposium by the Chairman and Legal Counsel. Also present were

Doctors Cartier, Smith, Beattie, Nord, Maurmen and Davis. Dr. Selikoff and associates addressed the symposium on the subject of asbestosis and cancer. Nothing strikingly new was brought out and it seems that the importance of the QAMA participation created a favourable impression.

Counsel informed the meeting that Dr. P. Kotin, a highly considered scientist connected with several U.S. Government Health Agencies, had unofficially accepted to sit on the Scientific Committee of the Institute of Occupational and Environmental Health. This is indeed a major acquisition for the Institute.

At this point, Counsel reported on the incorporation of the Institute and the granting of letters patent by the Provincial Government. The appointment of the directors of the Institute was also discussed.

Dust Abatement Committee

Appointment of members of Committee is moved as follows:

J.R.M. Hutcheson, Chairman

H.W. Foster, Member

L. Piuze, Member

ADOPTED

A Task Force has already been appointed at the Jeffrey Mine to investigate dust problems around the plant. C.I.M. is willing to table reports on work done so far, provided other members agree to do the same. Approved unanimously.

DAMA Constitution

Should Associate Membership in the Association be made possible through an appropriate resolution or an amendment to the Constitution? If new by-law is required, it should be written in terms as broad as possible, so as to provide variations in basis or conditions of admission.

The question to be decided at next meeting.

Expo 67

Plans are now more or less finalized. Work is progressing at a rather slow pace.

Membership in Prudential

Since most member companies belong to Prudential, there is no need for the Association to become a member.

NEW BUSINESS

Remuneration of Association Treasurer

In view of the amount of work involved, it is moved and seconded that effective September 15, 1966, the treasurer be remunerated at the rate of \$250.00 a month.

ADOPTED.

It is understood that the Treasurer will attend all regular and special meetings of the Association.

Accounting and Budget Procedures

The Notes on proposed accounting and budget procedures, as prepared and circulated by the Treasurer, were reviewed and commented. In line with suggested modifications as to proper approval of expenditures, a revised document will be prepared and circulated to Directors, Chairmen of Committees and Counsel. Such procedures must be implemented for the sake of effective control of expenditures, accurate accounting and prompt payment of accounts.

It is agreed that the annual budget of the Association and Institute for the ensuing year should be submitted for approval at the November Meeting of the Association. The Chairmen of the Committees, the General Manager etc., to forward to the Treasurer by November the 10th of each year, estimates of expenditures to be incurred during the following year.

Accounts for approval

Editorial Associates Limited - May 31st	\$ 350 44
- June	5 810 49
- July	5 350 44
- August	<u>6 959 15</u>

\$23 470 52

Contribution to St. George Club Christmas Fund \$25.00

ADOPTED.

In view of C.H. McNaughton's retirement on September 30, the following motion was proposed:

" BE IT RESOLVED that the name of Mr. Frank A. Cunningham be added to the list of Officers who are authorized to sign cheques on behalf of the Association and that the name of Mr. C.H. McNaughton be deleted therefrom on September 30, 1966."

Adopted.

Mines Ministers Conference

At this conference held in St. John N.B., September 18-21, the General Manager exposed the views of the Association on the relative jurisdictions of the Mines and Labour Departments of the Province with respect to mine safety and inspection. Other discussions of interest were:

- a) The effects of noise on mine workers health;
- b) The generalizing of the use of the Drager BG-174 equipment for Mine Rescue work;
- c) Uniform tax base for Federal - Provincial fiscal matters;
- d) Recruitment and retention of mining personnel in mining operations.

Canadian Council of Resource Ministers Conference

A preliminary meeting to the Conference sponsored by

The Canadian Council of Resource Ministers on "Pollution and Our Environment" was held in Quebec on August 12, meeting which the General Manager attended. The Conference will be essentially and almost exclusively a meeting of experts and specialists in this field, at which a small number of representatives of Government and Industry will participate. The President of QAMA to be invited. Dates: October 31 - November 4.

The Next Special Winter Meeting

Proposed dates for the Next Special Winter Meeting are February 1-2-3-4 ; tentative location, Barbados Hilton, B.W.I.

Next Meeting

The next Meeting of the Association will be held on December 12th in Quebec City.

Adjournment:

There being no further business the meeting adjourned.