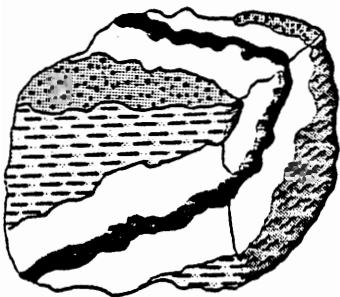


# THE G.A.C.

## Mineral Deposits Division Geological Association of Canada No. 14 October 1982



### JULIAN BOLDY AWARDED 1982 DERRY MEDAL

ON MAY 17TH 1982, THE G.A.C. ANNUAL MEETING IN WINNIPEG, G.D. JULIAN BOLDY, EXPLORATION MANAGER OF PLACER DEVELOPMENT LTD., TORONTO, WAS PRESENTED WITH THE DUNCAN R. DERRY MEDAL FOR 1982.

THE DUNCAN R. DERRY MEDAL IS AWARDED BY THE MINERAL DEPOSITS DIVISION OF THE GEOLOGICAL ASSOCIATION OF CANADA TO "AN OUTSTANDING ECONOMIC GEOLOGIST WHO HAS MADE MAJOR CONTRIBUTIONS TO THE SCIENCE OF ECONOMIC GEOLOGY IN CANADA".

THE FOLLOWING CITATION WAS READ BY DR. V.F. HOLLISTER, OUTGOING CHAIRMAN OF THE MINERAL DEPOSITS DIVISION. THE ATTACHED PHOTOGRAPH RECORDS THE PRESENTATION WITH DR. HOLLISTER ON THE LEFT AND MR. BOLDY ON THE RIGHT. NORAH J. ALLMAN, PAST-PRESIDENT OF THE GEOLOGICAL ASSOCIATION OF CANADA IS IN THE LEFT BACKGROUND.

### CITATION

THE EXECUTIVE AND DIRECTORS OF THE MINERAL DEPOSITS DIVISION, TAKE GREAT SATISFACTION AND PRIDE IN THE ANNOUNCEMENT OF THE THIRD RECIPIENT OF THE DUNCAN R. DERRY MEDAL.

IT IS BEING AWARDED TO A VERY MODEST MAN, WHO THROUGH HARD WORK, INTELLIGENT APPLICATION, INFORMAL COMMUNICATION AND A FEW HIGH QUALITY PUBLICATIONS HAS MADE A PROMINENT CONTRIBUTION TO THE UNDERSTANDING AND THE DISCOVERY OF MINERAL DEPOSITS IN CANADA.

HE GRADUATED IN GEOLOGY FROM TRINITY COLLEGE IN DUBLIN IN 1954. FOLLOWING THE SUCCESSFUL COMPLETION OF A MASTERS' PROGRAM UNDER PROFESSOR W.D. GILL AT THE SAME UNIVERSITY, HE EMIGRATED TO CANADA IN 1956.

FROM 1956 THROUGH 1968 HE WORKED AS AN EXPLORATION GEOLOGIST WITH THE FALCONBRIDGE GROUP OF COMPANIES. PART OF THIS TIME (1957-1962) WAS SPENT WITH GIANT YELLOWKNIFE MINES LTD. AND THE BALANCE WITH FALCONBRIDGE AND OTHER AFFILIATED COMPANIES IN THE NORANDA CAMP. DURING THIS PERIOD HE BECAME INVOLVED IN THE ADVANCEMENT OF OUR KNOWLEDGE OF VOLCANOGENIC MASSIVE SULPHIDE DEPOSITS.

CAREFUL OBSERVATION, LOGICAL APPLICATION OF GEOLOGICAL PRINCIPLES AND MERCURY GEOCHEMISTRY LED DIRECTLY TO THE DISCOVERY OF THE DELBRIDGE DEPOSIT IN 1965.

THE ACCOUNT OF THIS DISCOVERY, PUBLISHED IN THE C.I.M. BULLETIN IN 1968 UNDER THE TITLE "GEOLOGICAL OBSERVATIONS ON THE DELBRIDGE MASSIVE SULFIDE DEPOSIT" CONTAINED A DESCRIPTION OF A "PROTOMODEL" OF THE VOLCANOGENIC MASSIVE SULPHIDE DEPOSIT, WHICH BECAME AN IMPORTANT SOURCE OF REFERENCE AND GUIDANCE FOR MINERAL DEPOSIT GEOLOGISTS AROUND THE WORLD.

UTILIZATION OF SIMILAR TECHNIQUES BY OTHERS CONTRIBUTED TO THE LATER DISCOVERY OF THE MILLENBACH AND CORBETT DEPOSITS IN 1966 AND 1974.

IN 1973 FREEPORT ANNOUNCED THE DISCOVERY OF THE REED LAKE DEPOSIT IN THIS PROVINCE OF MANITOBA. THIS MASSIVE SULPHIDE DEPOSIT, IN THE SNOW LAKE DISTRICT, IS CURRENTLY UNDER DEVELOPMENT. ITS DISCOVERY IN PRECAMBRIAN ROCKS BENEATH A SIGNIFICANT THICKNESS OF PALEOZOIC LIMESTONE ATTESTS TO FINE LEADERSHIP IN THE APPLICATION OF GEOLOGICAL AND GEOPHYSICAL PRINCIPLES.

## DUNCAN R DERRY MEDAL NOMINATIONS

WE ALL LOOK FORWARD TO THE FOURTH AWARD OF THE DUNCAN R. DERRY MEDAL SCHEDULED FOR THE NEXT ANNUAL MEETING TO BE HELD IN VICTORIA IN MAY 1983. THE CURRENT SELECTION COMMITTEE REMINDS MEMBERS OF THE M.D.D. THAT NOMINATIONS FOR THE MEDAL MAY BE MADE AT ANY TIME BUT THE NAMES AND SUPPORTING INFORMATION OF CANDIDATES FOR THE 1983 AWARD MUST BE RECEIVED BY THE CHAIRMAN OF THE SELECTION COMMITTEE BEFORE JANUARY 31ST, 1983.

THE MEMBERSHIP IS URGED, THEREFORE, TO FAMILIARIZE THEMSELVES WITH THE GUIDELINES FOR NOMINATION (REPRODUCED BELOW) AND ACTIVELY SUPPORT AND NOMINATE WORTHY CANDIDATES. ALL NOMINATIONS SHOULD INCLUDE AN INTRODUCTION TO THE CANDIDATE, A SUMMARY OF THE CANDIDATE'S ACCOMPLISHMENTS IN ECONOMIC GEOLOGY, A CURRICULUM VITAE AND ANY OTHER INFORMATION OR ATTACHMENTS THAT WILL SUPPLEMENT AND ENHANCE THE PRESENTATION.

GOOD CANDIDATES DESERVE GOOD NOMINATION PRESENTATIONS. THE DUNCAN R. DERRY MEDAL IS PRESTIGIOUS AWARD - AS EXEMPLIFIED BY THE THREE SCIENTISTS SO FAR HONOURED. THIS STANDARD CAN ONLY BE MAINTAINED WITH AN ACTIVE LIST OF WORTHY CANDIDATES.

START TODAY. YOU DON'T HAVE TO WAIT UNTIL JANUARY TO CONTACT POSSIBLE SUPPORTERS AND NOMINATE THE CANDIDATE OF YOUR CHOICE. NOW IS THE BEST TIME TO ACT.

PLEASE READ THE FOLLOWING GUIDELINES:-

1. THE MEDAL MAY BE AWARDED ANNUALLY TO AN OUTSTANDING ECONOMIC GEOLOGIST WHO HAS MADE MAJOR CONTRIBUTIONS TO THE SCIENCE OF ECONOMIC GEOLOGY IN CANADA. NOMINEES SHOULD PREFERABLY BE MEMBERS OF GAC, AND PREFERABLY BUT NOT NECESSARILY, MEMBERS OF THE MINERAL DEPOSITS DIVISION (M.D.D.).
2. NOMINATIONS FOR THE MEDAL ARE TO BE MADE BY THREE MEMBERS OF M.D.D., EITHER JOINTLY OR BY INDEPENDENT SUBMISSIONS. NOMINATIONS MUST BE SUPPORTED BY RELEVANT DATA, SUCH AS A CURRICULUM VITAE OR A LETTER OUTLINING THE NOMINEE'S ACCOMPLISHMENTS, ET CETERA.
3. CANDIDATES SHOULD BE RECOGNIZED FOR THEIR SKILL AND STATURE AS PROFESSIONAL ECONOMIC GEOLOGISTS, AND ALSO BY THEIR PUBLIC CONTRIBUTIONS TO THE SCIENCE. IT IS ACKNOWLEDGED THAT PUBLICATION IS THE PRIME BUT NOT THE ONLY METHOD OF SPREADING SCIENTIFIC INFORMATION IN ANY DISCIPLINE.
4. UNSUCCESSFUL NOMINEES WILL BE AUTOMATICALLY SUBMITTED FOR REVIEW IN THE SUBSEQUENT TWO YEARS, AND WILL THEN BE DROPPED UNLESS RENOMINATED.
5. NOMINATIONS FOR THE MEDAL MAY BE PROPOSED AT ANY TIME, BUT TO BE CONSIDERED FOR A PARTICULAR YEAR, THEY MUST BE RECEIVED BY THE CHAIRMAN OF THE SELECTION COMMITTEE NO LATER THAN JANUARY 31ST. NOMINATIONS FOR 1983 SHOULD BE SENT TO J.A. McDONALD, ESSO MINERALS CANADA, 600-1281 W. GEORGIA ST., VANCOUVER, B.C. V6E 3J7. (604)664-4023.

## SHORT COURSES

THE M.D.D. EXECUTIVE HAS DECIDED TO INVESTIGATE HOW THE MEMBERSHIP EVALUATES THE NEED FOR SHORT COURSES THAT WOULD SERVE TO UPGRADE PARTICIPANTS IN A VARIETY OF SELECTED FIELDS. IF GENERAL NEED IS RECOGNIZED, THE M.D.D. WOULD ENDEAVOR TO ORGANIZE OR OTHERWISE PROMOTE THESE COURSES IN CANADA. COURSES COULD BE SIMILAR TO THOSE OFFERED BY THE AUSTRALIAN MINERAL FOUNDATION, A RECENT SELECTION OF WHICH IS SHOWN BELOW. IT IS ANTICIPATED THAT COURSES AND/OR WORKSHOPS WOULD GENERALLY LAST FOR UP TO ONE WEEK AND WOULD BE GIVEN BY RECOGNIZED EXPERTS IN THEIR FIELD DRAWN FROM THE INTERNATIONAL SCIENTIFIC COMMUNITY. WE ARE SEEKING YOUR REACTION TO THIS SUGGESTION, AND WOULD APPRECIATE YOU COMPLETING AND FORWARDING THE ATTACHED QUESTIONNAIRE AS SHOWN.

## QUESTIONNAIRE

1. DO YOU SEE A NEED FOR SHORT COURSES IN CANADA AS OUTLINED ABOVE? Yes \_\_\_ No \_\_\_
2. WITH WHAT FREQUENCY SHOULD THEY BE OFFERED?  
2 OR LESS PER YEAR \_\_\_  
3 TO 6 PER YEAR \_\_\_  
7 TO 10 PER YEAR \_\_\_
3. COULD YOU SPECIFY, IN DESCENDING ORDER OF PRIORITY, COURSE OR WORKSHOP TITLES THAT YOU BELIEVE TO BE APPROPRIATE? USE THE AUSTRALIAN EXAMPLES AS A GUIDE, ONLY.  
(A) \_\_\_\_\_  
(B) \_\_\_\_\_  
(C) \_\_\_\_\_  
(D) \_\_\_\_\_  
(E) \_\_\_\_\_
4. OTHER COMMENTS AND SUGGESTIONS.

YOUR NAME (OPTIONAL), POSITION, AND LOCATION WOULD HELP IN ASSESSING YOUR RESPONSE TO THIS QUESTIONNAIRE. RESULTS WILL BE PUBLISHED IN THE GANGUE.

NAME

POSITION

LOCATION

PLEASE RETURN COMPLETED FORMS TO:

J.A. McDONALD  
ESSO MINERALS CANADA  
600-1281 W. GEORGIA STREET  
VANCOUVER, B.C.  
V6E 3J7

PROGRAM CHAIRMAN

ANDRE PANTELEYEV  
B.C. MINISTRY OF ENERGY, MINES AND  
PETROLEUM RESOURCES  
PARLIAMENT BUILDINGS  
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V8V 1X4  
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IAN A. PATERSON  
COMINCO LTD.  
700-409 GRANVILLE STREET  
VANCOUVER, B.C.  
V6C 1T2  
OFFICE: (604) 682-0611

TREASURER'S REPORT

PUBLICATIONS CHAIRMAN

A. LEE BARKER  
LACANA MINING CORP.  
Box 354, ROYAL TRUST TOWER  
TORONTO, ONTARIO  
M5K 1K7  
OFFICE: (604) 367-0840

FINANCIAL STATEMENT, MINERAL DEPOSITS DIVISION,  
GEOLOGICAL ASSOCIATION OF CANADA FOR FISCAL YEAR  
ENDING DECEMBER 31, 1981

BALANCE ON HAND, JANUARY 1, 1981 1,766.41

1981 INCOME

SALE OF MAILING LISTS\* 68.38  
1981 DUES\* 2,675.56  
FIELD TRIPS  
SOUTH EASTERN B.C.\*\* 833.72  
APPALACHIA\*\*\* 504.09

4,081.75 4,081.75  
5,848.16

NEWSLETTER EDITOR

K.M. DAWSON  
GEOLOGICAL SURVEY OF CANADA  
100 WEST PENDER STREET  
VANCOUVER, B.C.  
V6B 1R8  
OFFICE: (604) 666-1260

1981 EXPENDITURES

"GANGUE" REPRODUCTION 404.42  
S.D. SCOTT, SECRETARIAL 1,411.55  
CHARGES ETC.  
MEETING EXPENSES 66.10  
LETTERHEAD PAPER 260.13  
BANK CHARGES 6.00

2,148.20 2,148.20  
3,699.96  
5,848.16

DIRECTORS

1980-83 J.A. GARNETT, DIRECTOR OF MINERAL RESOURCES

DEPARTMENT OF MINES AND ENERGY  
JOSEPH HOWE BLDG., 1690 HOLLIS STREET  
Box 1087  
HALIFAX, NOVA SCOTIA  
B3J 2X1  
OFFICE: (902) 424-4162

W.D. McRITCHIE  
MANITORA GEOLOGICAL SURVEY  
993 CENTURY STREET  
WINNIPEG, MANITOBA  
R3H 0W4  
OFFICE: (204) 633-9543

BALANCE ON HAND, DECEMBER 31, 1981

A.J. SINCLAIR,  
TREASURER  
MAY 18, 1982

1981-84 J.R. ASSAD

2016 TIMMONY STREET  
SILLERY, P.Q.

J.M. FRANKLIN  
GEOLOGICAL SURVEY OF CANADA  
601 BOOTH STREET  
OTTAWA, ONTARIO  
K1A 0E8  
OFFICE: (613) 995-5500

- \* INCLUDES U.S. EXCHANGE
- \*\* LOCAL ACCOUNTING BY R.S. HEWTON
- \*\*\* LOCAL ACCOUNTING BY A.A. RUITENBERG

PUBLICATIONS

1984 ECONOMIC GEOLOGY ISSUE ON CANADIAN ORE DEPOSITS

A SPECIAL ISSUE OF ECONOMIC GEOLOGY DEVOTED TO  
ADVANCES IN RESEARCH ON CANADIAN MINERAL DEPOSITS IS  
PLANNED FOR PUBLICATION IN ECONOMIC GEOLOGY No. 6  
(SEPT. - OCT.) OF 1984. THIS ISSUE WILL BE SIMILAR  
IN STYLE TO ECONOMIC GEOLOGY VOLUME 70, No. 1 (1975).  
THE CONTENT WILL BE HEAVILY WEIGHTED TOWARD DEPOSITS  
IN PHANEROZOIC ROCKS OF THE APPALACHIAN AND CORDILL-  
ERAN BELTS - IT BEING THE OPINION OF THE EDITORS  
THAT THE PUBLICATION OF G.A.C. SPECIAL VOLUME 25:  
PRECAMBRIAN SULPHIDE DEPOSITS EDITED BY FRANKLIN,  
HUTCHISON AND SPENCE, WILL ADEQUATELY COVER THE  
IMPORTANT DEPOSITS OF PRECAMBRIAN AGE.

THE EXPECTED TIMETABLE FOR PREPARATION OF THIS  
ISSUE INVOLVES SUBMITTAL OF MANUSCRIPTS TO THE

1982-85 MICHAEL MARCHAND

2328 SUMAC Rd. N.W.  
CALGARY, ALBERTA  
T2N 3T9  
OFFICE: (403) 284-2044

PETER E. FOX  
FOX GEOLOGICAL CONSULTANTS  
410-675 W. HASTINGS STREET  
VANCOUVER, B.C.  
V6B 1N2  
OFFICE: (604) 669-5736

## MDD FIELD TRIP TO MEXICAN SILVER DEPOSITS

THE MDD IS PRESENTLY ORGANIZING AN AMBITIOUS AND EXCITING FIELD TRIP TO FOUR MAJOR MEXICAN SILVER MINES. THE TOUR WILL INCLUDE THE HISTORIC TAXCO, PACHUCA AND GUANAJUATO CAMPS, AND THE NEW REAL DE ANGELES DEPOSIT OF PLACER DEVELOPMENT LTD.

PARTICIPANTS WILL MAKE THEIR OWN TRAVEL ARRANGEMENT TO AND FROM MEXICO CITY. THE SEVEN-DAY TOUR WILL LEAVE MEXICO CITY FEB. 27, 1983 BY BUS TO TAXCO, THEN PACHUCA (QUERETARO), REAL DE ANGELES (SAN LUIS POTOSI) GUANAJUATO, AND RETURN TO MEXICO MARCH 5.

COSTS OF BUS, HOTEL (DOUBLE OCCUPANCY) AND INCIDENTALS, ALTHOUGH NOT FINALIZED, ARE ESTIMATED TO BE \$CAN 300-350. MEALS ARE NOT INCLUDED.

THIRTY-SEVEN AVAILABLE PLACES WILL BE RESERVED ON A FIRST-COME BASIS UPON RECEIPT OF A \$CAN 100.00 DEPOSIT, CHEQUES PAYABLE TO GEOLOGICAL ASSOCIATION OF CANADA, MINERAL DEPOSITS DIVISION. PARTICIPANTS SHOULD INCLUDE THEIR NAME, ADDRESS, AFFILIATION AND TELEPHONE NUMBER WHEN SENDING DEPOSITS TO: DR. K.M. DAWSON, MEXICO FIELD TRIP, GEOLOGICAL SURVEY OF CANADA, 100 WEST PENDER STREET, VANCOUVER, B.C. V6B 1R8.

ADDITIONAL TRIP INFORMATION, ITINERARY AND GUIDE-BOOKS WILL BE MAILED TO PARTICIPANTS IN THE NEAR FUTURE.

## CONFERENCE REPORTS

### METHODS OF PREDICTIVE METALLOGENY

A PANEL DISCUSSION WAS HELD AT THE GAC/MAC ANNUAL MEETING IN WINNIPEG, MAY 18, 1982. THE ONE-HALF DAY SESSION WAS ORGANIZED BY A. SUTHERLAND BROWN, BRITISH COLUMBIA MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES, ON BEHALF OF MDD AND THE SUBCOMMITTEE OF PROVINCIAL GEOLOGISTS. A. SUTHERLAND BROWN AND G.B. LEECH, GSC, OTTAWA ACTED AS CO-CHAIRMAN.

FEATURED PANELISTS WERE: D.F. SANGSTER, GSC, OTTAWA WHO REVIEWED THE HISTORY AND EVOLUTION OF CANADIAN NON-INDUSTRY METHODS OF RESOURCE ASSESSMENTS; R.V. RUNDQUIST, VSEGEI, LENINGRAD, WHO PROVIDED A DESCRIPTION OF METHODOLOGY AND AN ILLUSTRATED EXAMPLE OF THE MASSIVE, COORDINATED GEOLOGICAL-GEOCHEMICAL-GEOPHYSICAL APPROACH TO REGIONAL INVESTIGATIONS USED IN THE SOVIET UNION. THE RESULTS OF THESE METHODOLOGICAL STUDIES ARE IMPRESSIVE FOR THEIR VAST SCOPE AND IMMENSE VOLUME OF GEOLOGICAL DATA GENERATED. DEVERLE HARRIS, UNIVERSITY OF ARIZONA, TUCSON, APPEARED TO BE THE ODD MAN OUT IN TERMS OF AUDIENCE SYMPATHIES. THE STATISTICALLY BASED, COMPUTER ORIENTED APPROACH DESPITE HARRIS' CANDID DISCUSSION OF HEURISTIC BIAS, SEEMED TOO ESOTERIC AND FAR REMOVED FROM THE ROCKS FOR MOST EXPLORATIONISTS. G.W. MANNARD, KIDD CREEK MINES LTD., TORONTO, PRESENTED A RATIONALIZATION FOR PROFIT-MOTIVATED CORPORATE ACTIONS.

THE TWO BRIEFER INVITED DISCUSSIONS FOLLOWING MANNARD BY G.D. JULIAN BOLDY, PLACER DEVELOPMENT LTD., TORONTO, AND R.J. CATHRO, B.C. & YUKON CHAMBER OF MINES, VANCOUVER, COMPLEMENTED THE TALKS BY SANGSTER AND MANNARD. THEY EFFECTIVELY POINTED OUT THE SUCCESSFUL INTERPLAY BETWEEN THE PUBLIC AND PRIVATE SECTORS IN AN OPEN MARKET ECONOMY AND LEFT US WITH A SOMEWHAT COMFORTABLE FEELING THAT WE KNOW WHAT WE ARE DOING AND WE DO IT RATHER WELL HERE IN CANADA. THE SESSION CONCLUDED WITH AN HOUR LONG DISCUSSION THAT ELICITED CONSIDERABLE COMMENT FROM THE AUDIENCE.

IT WAS READILY EVIDENT FROM THE PRESENTATIONS AND AUDIENCE RESPONSES THAT THERE WAS MUCH DIVERSITY IN THOUGHT AND APPROACHES TO MINERAL RESOURCE ASSESSMENT. THIS DIVERSITY WAS A REFLECTION OF DIFFERENCES IN POLITICAL AND EXPLORATION PHILOSOPHIES, OBJECTIVES, MANDATES, AND TERMS OF REFERENCE BETWEEN GOVERNMENT AGENCIES, UNIVERSITIES, AND EXPLORATIONISTS.

THE TALKS ARE TO BE PUBLISHED IN GEOSCIENCE CANADA. I LOOK FORWARD TO READING THE PRINTED TEXTS AT LEISURE. I SUSPECT THAT THERE WILL BE SOME PROFOUND THOUGHTS AND SUBTLE MESSAGES LURKING IN THE TEXT. IF NOTHING ELSE, THERE WILL BE AN ELOQUENT DOCUMENTATION OF SOME REMARKABLE CONTRASTS IN STYLE AND APPROACH TO A COMMON OBJECTIVE, NAMELY WHERE TO LOOK FOR ORE.

ANDREJS PANTELEYEV  
B.C. MINISTRY ENERGY, MINES  
AND PETROLEUM RESOURCES

### THE NINTH INTERNATIONAL GEOCHEMICAL EXPLORATION SYMPOSIUM, SASKATOON

IN MAY, 1982, THE MDD CO-SPONSORED WITH THE ASSOCIATION OF EXPLORATION GEOCHEMISTS, THE NINTH I.G.E.S. AT SASKATOON, AND ORGANIZED A SESSION ON LITHOGEOCHEMISTRY IN AREAS OF MASSIVE SULPHIDE DEPOSITS. THE MDD CONTRIBUTION WAS PLANNED TO ENABLE DELEGATES TO COMPARE ENVIRONMENTS AND DATA FROM THE HYDROTHERMAL AREAS IN THE EAST PACIFIC RISE AND THE JUAN DE FUCA RIDGE WITH 'ANCIENT' MINERALIZED ENVIRONMENTS IN PHANEROZOIC AND PRECAMBRIAN TERRANES THAT HAVE BEEN STUDIED AND EXPLOITED. THE SESSION WAS A GREAT SUCCESS. THE PROGRAM INCLUDED A FILM OF THE 'BLACK SMOKERS', DESCRIPTIONS OF THE MINERALOGY AND GEOCHEMISTRY OF THE SEAFLOOR DEPOSITS, AND DATA ON THE GEOCHEMISTRY OF ANCIENT EXHALITES AND EXHALATION ENVIRONMENTS FROM JAPANESE AND NORTH AMERICAN LOCALITIES. SEVERAL MDD MEMBERS CONTRIBUTED TO THE PROGRAM ALONG WITH SCIENTISTS FROM THE USGS AND SCRIPPS INSTITUTE OF OCEANOGRAPHY.

MANY OF THE MORE THAN 400 DELEGATES IN ATTENDANCE AT THIS SYMPOSIUM (FROM 29 DIFFERENT COUNTRIES) COMMENTED VERY FAVOURABLY ON THE PROCEEDINGS.

J. ALAN COOPE

12 NOON, TUESDAY NOVEMBER 2, COMBINED G.A.C.-M.E.G.  
LUNCHEON, GEORGIA HOTEL

SPEAKER: DR. J.K. MORTENSEN  
UNIVERSITY OF BRITISH COLUMBIA

SUBJECT: ORE DEPOSITS OF THE YUKON CRYSTALLINE BELT

12 NOON, WEDNESDAY NOVEMBER 17, COMBINED G.A.C.-M.E.G.  
LUNCHEON, GEORGIA HOTEL

SPEAKER: DR. J. FRANKLIN, GEOLOGICAL SURVEY OF  
CANADA, OTTAWA

SUBJECT: GOLD DEPOSITS OF THE CANADIAN SHIELD: AN  
EVALUATION OF SYGENETIC VS STRUCTURAL  
CONTROLS ON MINERALIZATION

4:00 PM, THURSDAY DECEMBER 2, ROBSON SQUARE MEDIA  
CENTRE, THEATRE

SPEAKER: PROFESSOR H.D. HOLLAND, DEPT. OF  
GEOLOGICAL SCIENCES, HARVARD UNIVERSITY

SUBJECT: BASE AND PRECIOUS METAL EVOLUTION OF SEA  
WATER.

UNIVERSITY OF TORONTO COURSE GLG 2302, MINERAL  
DEPOSITS GEOLOGY

THIS COURSE WILL BE OFFERED THROUGHOUT THE 1982-83  
ACADEMIC YEAR FROM 6.30 - 9.30 P.M. ON WEDNESDAY  
EVENINGS AND, AS IN THE PAST, IS OPEN TO GEOLOGISTS  
FROM THE LOCAL COMMUNITY. THE FIRST LECTURE WILL  
BE IN ROOM 206, MINING BUILDING, ON SEPTEMBER 29,  
1982.

ANYONE WISHING TO ATTEND SHOULD CONTACT MR. R.  
SHARPLES, 978-6683 FOR INFORMATION ABOUT REGISTRATION.  
THE SCHEDULE FOR THE FIRST TERM IS AS FOLLOWS:

S.D. SCOTT

SEPT. 29 OVERVIEW OF MASSIVE SULFIDE DEPOSITS  
OCT. 6 KUROKO DEPOSITS  
OCT. 13 CYPRUS; BESHI-TYPE DEPOSITS; CANADIAN  
DEPOSITS  
OCT. 20 NO LECTURE  
OCT. 27 SHALE-HOSTED DEPOSITS - SELWYN BASIN,  
RAMMELSBERG, BROKEN HILL, AGGENEYS  
NOV. 3 DEPOSITS ON ACTIVE SPREADING RIDGES  
NOV. 10 GENETIC MODELS FOR MASSIVE SULFIDE ORES  
NOV. 17 EXPLORATION GUIDES FOR MASSIVE SULFIDE  
ORES  
NOV. 24 CLASS PRESENTATIONS

G.M. ANDERSON & F.W. BEALES

DEC. 1 MISSISSIPPI VALLEY ORES  
8 MISSISSIPPI VALLEY ORES

THE SECOND TERM WILL FEATURE, AMONGST OTHER TOPICS,  
DISCUSSIONS OF NI, NI-CU, PT GROUP, CR AND TI  
DEPOSITS (A.J. NALDRETT), OLYMPIC DAM (DAVE ROBERTS),  
AND DEPOSITS AND EXPLORATION TECHNIQUES IN AUSTRALIA  
(ROY WOODALL, WMC).

UNIVERSITY OF BRITISH COLUMBIA: VISITING SPEAKER

SPEAKER: DR. JOHN RICHARDS  
RESEARCH SCHOOL OF EARTH SCIENCES  
AUSTRALIAN NATIONAL UNIVERSITY  
CANBERRA, AUSTRALIA

TITLE: SOUTHEAST AUSTRALIA WAS DIFFERENT,  
ESPECIALLY IN THE EARLIER PALEOZOIC:  
THE ARGUMENTS ARE NOT ENTIRELY GEOCHRONO-  
LOGICAL.

TIME: 3:30 P.M.

DATE: OCTOBER 1ST, 1982

PLACE: GEOLOGICAL SCIENCES BUILDING, ROOM 330A  
FOR INFORMATION, PLEASE CALL (604) 228-2449.

CARLETON UNIVERSITY: GEOSCIENCE SEMINARS 1982-83

SPEAKER: DR. PRESTON P. CLOUD  
PROFESSOR OF GEOLOGY  
UNIVERSITY OF CALIFORNIA AT SANTA BARBARA  
AND VISITING PROFESSOR, UNIVERSITY OF  
OTTAWA

TITLE: 'THE PRIMITIVE EARTH'

TIME: 8:00 P.M. (20:00 H)

DATE: TUESDAY, OCTOBER 5, 1982

PLACE: MARION HALL AUDITORIUM  
(CHEMISTRY BUILDING)  
UNIVERSITY OF OTTAWA

McMASTER UNIVERSITY: GEOLOGY SEMINARS

SPEAKER: DR. SKIP RHODES  
COMALCO, AUSTRALIA

TITLE: THE GULF OF CARPENTARIA: A MODERN  
PROGRADING SHORELINE AND POSSIBLE EPEIRIC  
SEA MODEL

TIME & PLACE: COFFEE AND DOUGHNUTS WILL BE SERVED AT  
3:30 P.M. IN S.S.C.-123. DR. RHODES'  
SEMINAR WILL BE PRESENTED AT 4:00 P.M.  
IN S.S.C.-102

DATE: TUESDAY, SEPTEMBER 28TH, 1982