



# AASP NEWSLETTER

D. J. NICHOLS, EDITOR

ISSN 0192-7299

VOLUME 14, NUMBER 2

APRIL 1981

CALL FOR PAPERS  
NEW ORLEANS MEETING

ANNUAL MEETING IN NEW ORLEANS

MEMBERS ARE URGED TO SUBMIT TITLES AND ABSTRACTS FOR THE ANNUAL MEETING AT THEIR EARLIEST CONVENIENCE. PAPERS SHOULD BE PLANNED WITHIN A TIME FRAMEWORK OF 20 MINUTES, AND 35MM SLIDES SHOULD BE UTILIZED FOR VISUAL AIDS. DUE TO THE LEAD TIME NECESSARY FOR TYPING, COLLATING, AND PRINTING OF THE PROGRAM WITH ABSTRACTS, ALL AUTHORS SHOULD NOTE THAT THE FINAL DEADLINE FOR RECEIPT OF COPY IS: 15 AUGUST 1981.

TITLES AND ABSTRACTS SHOULD BE MAILED TO: JEFF STEIN, AMOCO PRODUCTION CO., P.O. BOX 50879, NEW ORLEANS, LA 70150.

PROSPECTIVE PARTICIPANTS IN THE POSTER SESSION SHOULD SEND THEIR TITLES AND ABSTRACTS TO: BOB RAYN, AMOCO PRODUCTION CO., P.O. BOX 50879, NEW ORLEANS, LA 70150. POSTER SESSIONS SHOULD BE DESIGNED AS TABLE-TOP DISPLAYS, 6 FEET IN WIDTH. NO WALL SPACE OR BULLETIN BOARDS WILL BE AVAILABLE. POSTER SESSION DEADLINE - 15 AUGUST 1981.

GET DOWN - ON THE DELTA - NEW ORLEANS '81

CLOSE ENCOUNTERS: CAREERS IN PALYNOLOGY

AASP'S BROCHURE ON CAREERS IN PALYNOLOGY—INTENDED FOR THE STUDENT WHO WISHES TO LEARN WHAT PALYNOLOGY IS AND ABOUT ITS CAREER POTENTIAL—IS AVAILABLE FOR DISTRIBUTION. IT IS AN EYE-CATCHING POSTER WITH TEXT AND SEM PHOTOS OF SEVERAL PALYNOFORMS. MANAGING EDITOR VAUGHN BRYANT WILL BE HAPPY TO SEND COPIES TO AASP MEMBERS AND OTHERS FOR DISPLAY AND DISTRIBUTION. THE BROCHURES ARE ESPECIALLY APPROPRIATE FOR ACADEMIC DEPARTMENTS. AASP MEMBERS MAY FIND THE BROCHURE USEFUL FOR EXPLAINING TO UNINITIATED COLLEAGUES WHY THEY SPEND SO MUCH TIME AT THE MICROSCOPE. FOR YOUR SUPPLY WRITE TO: VAUGHN M. BRYANT, DEPT. ANTHROPOLOGY, TEXAS A&M UNIVERSITY, COLLEGE STATION, TX 77843.

HAVE YOU PAID YOUR DUES?

LOOK AT THE MAILING LABEL THAT CAME WITH THIS ISSUE OF AASP NEWSLETTER. IF A RED "X" APPEARS ON YOUR LABEL, YOU ARE IN-ARREARS FOR 1981. PLEASE REMIT DUES IMMEDIATELY TO: JOHN A. CLENDENING, AASP SECRETARY-TREASURER, AMOCO PRODUCTION CO., P.O. BOX 3092, HOUSTON, TX 77001. KEEP YOUR MEMBERSHIP IN GOOD STANDING. AT \$15 PER YEAR, AASP IS ONE OF THE BEST BARGAINS IN SCIENTIFIC MEMBERSHIPS ANYWHERE IN THE WORLD.

DATES: 7-10 OCTOBER 1981

EVENTS: WEDNESDAY, 7 OCTOBER - SYMPOSIUM ON MORPHOLOGIC LINEAGES OF PALYNOFORMS THROUGH TIME.

THURSDAY & FRIDAY, 8-9 OCTOBER - GENERAL SESSIONS. PAPERS WILL BE ARRANGED ACCORDING TO THEIR AFFINITIES WITH THE FOLLOWING CATEGORIES: BIOSTRATIGRAPHY, MORPHOLOGY, PALEOECOLOGY/BIOGEOGRAPHY, AND ORGANIC GEOCHEMISTRY.

THURSDAY, 8 OCTOBER - ANNUAL ICEBREAKER.

FRIDAY, 9 OCTOBER - BUSINESS MEETING & LUNCHEON.

SATURDAY, 10 OCTOBER - FIELDS TRIPS TO: SWAMPS AND MARSHES; MISSISSIPPI RIVER DELTA. MORE INFORMATION ON THESE TRIPS WILL BE AVAILABLE IN THE JULY ISSUE OF AASP NEWSLETTER.

PLACE: MONTELEONE HOTEL, 214 RUE ROYALE, NEW ORLEANS  
RATES: SINGLE \$65.00, DOUBLE \$75.00.

REGISTRATION: PREREGISTRATION (BY 30 SEPTEMBER) \$30.00 (STUDENTS \$20.00); AFTER 30 SEPTEMBER OR ON-SITE \$35.00 (STUDENTS \$22.00).

SPECIAL EVENT: RIVERBOAT CRUISE WITH SHRIMP AND BEER (COST \$11.75 UNTIL 30 SEPTEMBER, \$15.00 THEREAFTER).

ADDITIONAL INFORMATION: WATCH YOUR AASP NEWSLETTER. REGISTRATION FORMS COMING IN JULY ISSUE. INFORMATION ALSO FROM DON BENSON, AMOCO, P.O. BOX 50879, NEW ORLEANS, LA 70150.

GET DOWN - ON THE DELTA - NEW ORLEANS '81

AASP MID-YEAR MEETING

THE MID-YEAR MEETING OF THE AASP BOARD OF DIRECTORS FOR 1981 WILL BE HELD 23-24 APRIL 1981 AT THE HILTON PALACIO DEL RIO IN SAN ANTONIO, TEXAS. A BLOCK OF ROOMS HAS BEEN BOOKED AT SPECIAL RATES. THE MEETING IS OPEN TO ALL AASP MEMBERS. THE DATES OF THE MEETING COINCIDE WITH FIESTA WEEK IN SAN ANTONIO, WHICH COULD PROVIDE SOME INTERESTING DIVERSION FOR THOSE ATTENDING. AFTER THE MEETING. MEMBERS PLANNING TO ATTEND MUST MAKE THEIR OWN ROOM RESERVATIONS. INFORMATION ON ACCOMMODATIONS AND THE AGENDA IS AVAILABLE FROM JOHN BENNETT, AASP PRESIDENT, ARCO OIL & GAS CO., P.O. BOX 2819, DALLAS, TX 75221; (214) 651-4049.

AASP NEWSLETTER IS PUBLISHED QUARTERLY BY AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS, INC.

## LETTERS TO THE EDITOR

DEAR EDITOR,

I WOULD LIKE TO QUESTION THE REQUIREMENT OF THE STUDENT PAPER AWARD THAT THE PAPER CANNOT BE COAUTHORED. PROFESSORS ARE AN IMPORTANT PART OF OUR MEMBERSHIP. ONE WAY A PROFESSOR INCREASES HIS PUBLICATION LIST, THEREBY INCREASING THE POSSIBILITY OF RECEIVING GRANTS, IS BY BEING COAUTHOR ON THE WORK OF HIS STUDENTS. PROFESSORS ARE NOT LUCKY LIKE SOME OF US WHO SUPPORT OURSELVES BY DOING FULL TIME RESEARCH. I DO NOT THINK THE PRACTICE OF BEING COAUTHOR IS UNFAIR—PROFESSORS SPEND MUCH OF THEIR PRECIOUS TIME PUSHING, SHOVING, AND ENCOURAGING THEIR STUDENTS, AS WELL AS APPLYING FOR GRANTS TO SUPPORT THEIR STUDENTS. EACH PAPER PRESENTED BY A STUDENT, NOT COAUTHORED BY A PROFESSOR, THEREFORE REPRESENTS AN EVENT WITH EXPENSIVE CONSEQUENCES. I'M NOT SURE WHY WE ARE EXACTING SUCH A PRICE.

ELEANORA I. ROBBINS

DEAR NORRIE,

THE STUDENT PAPER AWARD GUIDELINES DO NOT PRESUME TO SET ANY RESTRICTIONS ON COAUTHORED PUBLICATIONS, WHICH ARE THE IMPORTANT PRODUCTS OF STUDENT-PROFESSOR COLLABORATION IN TERMS OF GRANT APPLICATIONS. THE GUIDELINES DO ATTEMPT TO INSURE THAT AN ORAL PAPER, FOR WHICH THE AWARD IS GIVEN, HAS BEEN PREPARED AND DELIVERED BY A BONA FIDE STUDENT, AND THAT THE CONTENT IS THE STUDENT'S OWN RESEARCH.

Ed.

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### POSSIBLE REPRINT OF DAVEY ET AL., 1966

THE BRITISH MUSEUM IS PREPARED TO CONSIDER A REPRINTING OF DAVEY, R. J., DOWNIE, C., SARJEANT, W. A. S., AND WILLIAMS, G. L., 1966, STUDIES ON MESOZOIC AND CENOZOIC DINOFLAGELLATE CYSTS: BRITISH MUS. (NAT. HIST.), BULL., GEOL., SUPPL. 3, P. 1-248. THIS IMPORTANT PUBLICATION, WHICH CONTAINS MANY HOLOTYPE DESCRIPTIONS, HAS BEEN OUT OF PRINT AND UNOBTAINABLE FOR SEVERAL YEARS.

THE PUBLICATIONS COMMITTEE AT THE BRITISH MUSEUM PROPOSES A PRINT RUN OF 500 COPIES, BUT BEFORE THEY GO AHEAD THEY REQUIRE ASSURANCE THAT A SUBSTANTIAL NUMBER WILL BE SOLD. IF YOU ARE INTERESTED IN OBTAINING A COPY OF THIS PUBLICATION, PLEASE WRITE TO: CHRIS DENISON, ROBERTSON RESEARCH (US) INC., 16730 HEDGE CROFT, SUITE 306, HOUSTON, TX 77060.

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### MANUSCRIPTS FOR PALYNOLOGY

YOU MAY SUBMIT MANUSCRIPTS FOR PUBLICATION IN PALYNOLOGY AT ANY TIME—THERE ARE NO DEADLINES. THE JOURNAL IS NO LONGER A "PROCEEDINGS VOLUME" TO BE PUBLISHED ONLY ON AN ANNUAL BASIS. VOLUME 5 IS NOW IN PRESS, AND VOLUME 6 AND ALL SUBSEQUENT VOLUMES WILL BE ISSUED AS SOON AS CONTENTS ARE COMPLETE. INSTRUCTIONS FOR AUTHORS CAN BE FOUND AT THE BACK OF VOLUME 4 (1980). SEND YOUR MANUSCRIPT TO: VAUGHN BRYANT, AASP MANAGING EDITOR, TEXAS A&M UNIVERSITY, COLLEGE STATION, TX 77843.

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### CANDIDATES FOR AASP OFFICES

THE NOMINATING COMMITTEE FOR 1981 HAS SELECTED THE MEMBERS LISTED BELOW TO RUN FOR THE OFFICES INDICATED ON THE AASP BOARD OF DIRECTORS. ARTICLE 7.03 OF THE AASP BYLAWS STATES THAT: "ADDITIONAL NOMINATIONS MAY BE MADE BY ANY MEMBER IN GOOD STANDING BY SUBMITTING A PETITION, SIGNED BY AT LEAST NINE (9) OTHER MEMBERS IN GOOD STANDING, TO THE SECRETARY-TREASURER BY JUNE 15." BALLOTS WILL BE MAILED TO MEMBERS ON OR BEFORE 1 JULY 1981. THE CANDIDATES WHO WERE CHOSEN BY THE NOMINATING COMMITTEE ARE:

FOR PRESIDENT-ELECT: JONATHAN BUJAK AND DOUGLAS J. NICHOLS

FOR SECRETARY-TREASURER: JOHN A. CLENDENING

FOR MANAGING EDITOR: VAUGHN M. BRYANT, JR.

FOR DIRECTORS-AT-LARGE: RAYMOND A. CHRISTOPHER, LEONARD E. EAMES, REX HARLAND, AND WILLIAM C. MEYERS.

THE NOMINATING COMMITTEE HAS PROVIDED THE FOLLOWING BIOGRAPHICAL DATA ON THE CANDIDATES.

JONATHAN BUJAK JOINED AASP IN 1971; HE HAS SERVED AS A DIRECTOR-AT-LARGE (1979-1980), AND AS A MEMBER OF THE ANNUAL MEETING COMMITTEE (1976). JON HAS ALSO BEEN THE NEWSLETTER EDITOR FOR THE CANADIAN ASSOCIATION OF PALYNOLOGISTS (1978-PRESENT) AND TREASURER OF THE ATLANTIC GEOSCIENCE SOCIETY (1976-1979).

DOUGLAS J. NICHOLS JOINED AASP IN 1968; HE HAS SERVED AS NEWSLETTER EDITOR (1979-PRESENT) AND AS A MEMBER OF THE NOMINATING COMMITTEE (1977; CHAIRMAN, 1980), THE NOMINATING COMMITTEE GUIDELINES COMMITTEE, AND THE ANNUAL MEETING COMMITTEE (1980).

JOHN A. CLENDENING JOINED AASP IN 1968; HE HAS SERVED AS COUNCILOR (1975-1976), VICE PRESIDENT (1976-1977), AND SECRETARY-TREASURER (1978-PRESENT), AS CHAIRMAN OF THE NOMINATING COMMITTEE GUIDELINES COMMITTEE AND BALLOT COMMITTEE GUIDELINES COMMITTEE, AND AS ORGANIZER AND CONVENOR OF THE PENNSYLVANIAN-PERMIAN SYMPOSIUM (1978).

VAUGHN M. BRYANT, JR. JOINED AASP IN 1969; HE HAS SERVED AS EDITOR (1976-1979) AND MANAGING EDITOR (1979-PRESENT), AND AS A MEMBER OF THE PUBLIC RELATIONS COMMITTEE.

RAYMOND A. CHRISTOPHER JOINED AASP IN 1968; HE HAS SERVED AS JOURNAL EDITOR (1978-PRESENT).

LEONARD E. EAMES JOINED AASP IN 1969; HE HAS SERVED AS A MEMBER OF THE ANNUAL MEETING COMMITTEE (1977) AND AS CHAIRMAN OF THE AASP EMBLEM COMMITTEE.

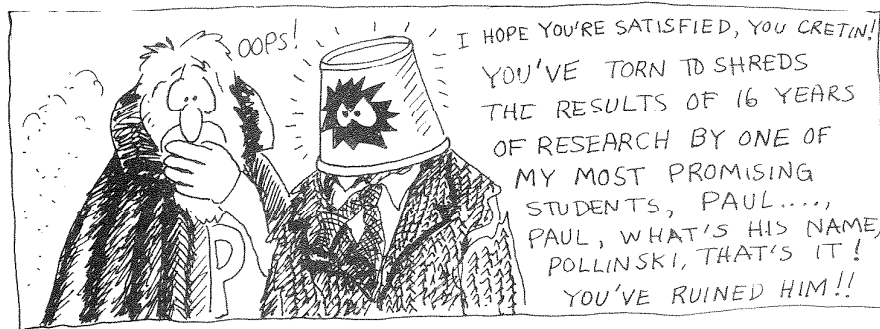
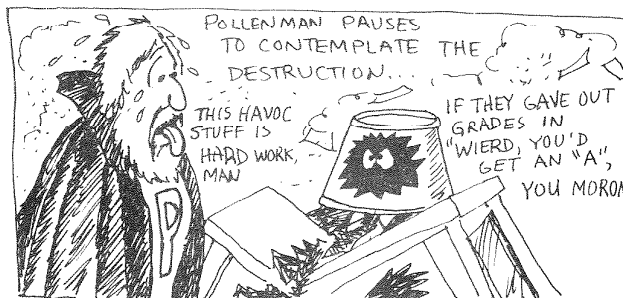
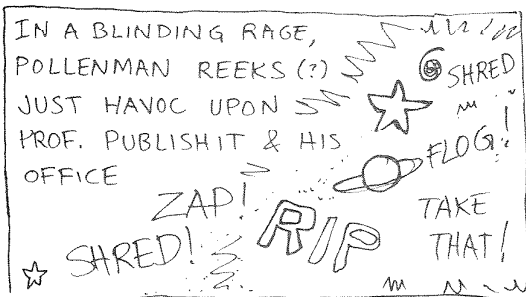
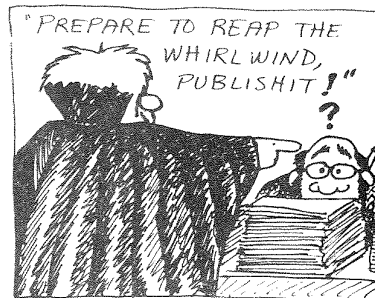
REX HARLAND JOINED AASP IN 1969; HE HAS BEEN A MEMBER OF THE COUNCIL OF THE PALAEOONTOLOGICAL ASSOCIATION AND CHAIRMAN OF THE ORGANIC-WALLED MICROPLANKTON GROUP OF THE BRITISH MICROPALAEOONTOLOGICAL SOCIETY.

WILLIAM C. MEYERS IS A FOUNDING MEMBER OF AASP; HE HAS SERVED AS CHAIRMAN OF SEVERAL SESSIONS ON MESOZOIC PALYNOLOGY AT ANNUAL MEETINGS.

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# THE EXPURGATED ADVENTURES OF Pollenman by T. Ager

PART III.  
IN OUR LAST INSTALLMENT  
POLLENMAN WAS ABOUT  
TO CONFRONT THE EVIL  
FORCE OF PROFESSOR  
PUBLISHIT, INFAMOUS FOR  
HIS ABUSE OF GRADUATE  
STUDENTS....



NEEDLESS TO SAY,  
PAUL POLLINSKI  
(ALIAS POLLENMAN)  
WAS FORCED TO  
LEAVE HIS BELOVED  
SKROOD U.\*  
TO SEEK HIS  
FORTUNE ELSEWHERE.

\*SKROOD UNIVERSITY WAS  
NAMED IN HONOR OF PHILAN-  
THROPIST I. BEN SKROOD

TO BE CONTINUED

## OBJECTIVE-MOUNTED MICROMANIPULATOR

THE PAPER ON TECHNIQUES FOR ELECTRON MICROSCOPY BY HARRY LEFFINGWELL AND NORMAN HODCKIN (1971, REV. PALAEOBOTANY & PALYNOLOGY, 11: 177-199) DESCRIBES AN OBJECTIVE-MOUNTED MICROMANIPULATOR FOR HANDLING PALYNOMORPHS. THE DEVICE IS AVAILABLE FROM C&D TOOL AND ENGINEERING CO., INC., OF CALIFORNIA, AT A COST OF \$310 PLUS TAX. FOR AN ORDER OF 10 OR MORE THE COST WOULD BE \$240 (PLUS TAX) EACH. HARRY HAS VOLUNTEERED TO COORDINATE MAKING UP A GROUP ORDER FOR AASP MEMBERS WHO WOULD LIKE TO OBTAIN A MICROMANIPULATOR AT THE REDUCED PRICE. ANYONE INTERESTED SHOULD MAKE ARRANGEMENTS WITH HARRY BY THE DEADLINE, 31 MAY 1981. WRITE OR CALL: HARRY A. LEFFINGWELL, UNION OIL CO., P.O. BOX 76, BREA, CA 92621; (714) 528-7201, EXT. 375.

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## NEWSLETTER PUBLICATION DATES

SEND ALL NEWSWORTHY ITEMS TO YOUR AASP NEWSLETTER EDITOR.  
DATES OF PUBLICATION: JANUARY, APRIL, JULY, OCTOBER.  
DEADLINES: 15TH OF THE MONTH PRECEDING PUBLICATION.

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## AASP MEMBERSHIP STILL GROWING

THE MEMBERSHIP ROSTER OF AASP STOOD AT 740 AS OF SEPTEMBER 1980. THE FIGURE WAS INCLUDED IN THE ANNUAL MEMBERSHIP REPORT PRESENTED AT THE ANNUAL MEETING LAST OCTOBER. THIS TOTAL INCLUDES 78 NEW MEMBERS WHO JOINED DURING THE PERIOD BETWEEN OCTOBER 1979 AND THE DATE OF THE REPORT. GROWTH OF AASP IS CONTINUING—EACH ISSUE OF AASP NEWSLETTER LISTS ADDITIONAL NEW MEMBERS—SO THE ACTUAL TOTAL IS NOW GREATER. THE TOTAL REPORTED INCLUDES 108 INSTITUTIONAL MEMBERS.

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## AASP EMBLEM STICKERS FOR SALE

STICKERS WITH THE OFFICIAL EMBLEM OF AASP BOLDLY PRINTED IN RED, YELLOW, AND BLACK ARE AVAILABLE FROM SECRETARY-TREASURER JOHN CLENDENING AT 2 FOR \$1.00. THE STICKERS ARE 3½ INCHES (9 CM) IN DIAMETER AND HAVE SELF-STICKING ADHESIVE ON THE BACK. THEY ARE USEFUL FOR A VARIETY OF PURPOSES (WE'LL LET YOU KNOW JUST WHAT WHEN WE THINK OF SOME). GET YOURS TODAY!

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## BULLETIN BOARD

II CONGRESSO LATINO-AMERICANO DE PALEONTOLOGIA, PORTO ALEGRE, BRAZIL, 26-30 APRIL 1981; (AV. OSWALDO ARANHA, 218, 90.000 PORTO ALEGRE, RS, BRAZIL).

THIRTEENTH INTERNATIONAL BOTANICAL CONGRESS (XIII.IBC), SYDNEY, AUSTRALIA, 21-28 AUGUST 1981; (AUSTRALIAN ACAD. SCI., P.O. BOX 783, CANBERRA CITY 2601, AUSTRALIA).

HEXROSE CONFERENCE ON MODERN AND FOSSIL DINOFLAGELLATES, TÜBINGEN, GERMANY, SEPTEMBER 1981; (HANS GUCHI, INST. U. MUSEUM FÜR GEOL. U. PALÄONT., SIGWARTSTRASSE 10, D-7400 TÜBINGEN 1, WEST GERMANY).

FOURTEENTH ANNUAL MEETING, AASP, NEW ORLEANS, LOUISIANA, 7-10 OCTOBER 1981; (DON BENSON, AMOCO PROD. CO., P.O. BOX 50879, NEW ORLEANS, LA 70150); SEE ANNOUNCEMENT THIS ISSUE.

THIRD NORTH AMERICAN PALEONTOLOGICAL CONVENTION (NAPC III), MONTREAL, CANADA, 5-11 AUGUST 1982; (COLIN STEARN, DEPT. GEOL. SCI., MCGILL UNIV., 3450 UNIVERSITY ST., MONTREAL, Q1R1R6C H3A 2A7); SEE ANNOUNCEMENT THIS ISSUE.

CIMP-AASP JOINT MEETING, DUBLIN, IRELAND, 13-15 SEPTEMBER 1982; (GEOFF CLAYTON, DEPT. GEOL., TRINITY COLLEGE, DUBLIN 2, EIRE); SEE QUESTIONNAIRE THIS ISSUE.

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### POSITIONS AVAILABLE

ROBERTSON RESEARCH INTERNATIONAL LIMITED HAS AN OPENING FOR A PALYNOLOGIST IN THEIR NORTH WALES OFFICE. AS A CONSULTING BIOSTRATIGRAPHICAL FIRM, WE REQUIRE APPLICANTS TO HAVE A STRONG GEOLOGICAL BACKGROUND AND PREFERABLY EXPERIENCE WHICH INCLUDES MESOZOIC DINOCYSTS. SEND RESUMES TO:

Mrs. J. HEDGES, ROBERTSON RESEARCH INTERNATIONAL LTD., TY'N-Y-COED, LLANRHOS, LLANDUDNO, GWYNEDD, NORTH WALES, LL30 1SA.

THE U.S. GEOLOGICAL SURVEY, DIVISION OF CONSERVATION, IS SEEKING A PALYNOLOGIST FOR OUR EASTERN REGION OFFICE IN WASHINGTON, D.C. WORK WILL FOCUS ON BASIN ANALYSIS AND EVALUATION IN PREPARATION FOR AND CONSEQUENT TO LEASING AND DRILLING OF THE ATLANTIC OCS AREA. THE MESOZOIC SECTION REQUIRES SPECIAL EMPHASIS. FOR FURTHER INFORMATION CALL COLLECT OR WRITE TO:

ROGER AMATO, CHIEF OF BASIN ANALYSIS, U.S.G.S, CONSERVATION DIVISION (ER), 1725 K STREET N.W., SUITE 204, WASHINGTON, D.C. 20006; (202) 254-5526.

CHEVRON OIL FIELD RESEARCH COMPANY HAS AN OPENING FOR A RESEARCH PALYNOLOGIST WITH PH.D. OR M.S., PREFERABLY WITH A MAJOR IN GEOLOGY. DUTIES WILL INCLUDE TAXONOMIC AND BIOSTRATIGRAPHIC RESEARCH PROJECTS IN MESOZOIC PALYNOLOGY. APPLICANTS SHOULD APPLY IN WRITING WITH RESUMES AND REFERENCES TO:

EMPLOYEE RELATIONS, CHEVRON OIL FIELD RESEARCH CO., P.O. BOX 446, LA HABRA, CA 90631. CHEVRON RESEARCH IS AN EQUAL OPPORTUNITY EMPLOYER.

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### NEW I.R.S. RULES ON FOREIGN MEETINGS

IN 1976 THE U.S. CONGRESS IMPOSED CERTAIN RESTRICTIONS TO CURB SO-CALLED "VACATION ABUSES" OF CONVENTIONS AND MEETINGS HELD OUTSIDE THE UNITED STATES. A NEW SET OF REGULATIONS WAS SIGNED INTO LAW IN DECEMBER 1980 THAT REPLACES THE PREVIOUS PROVISIONS OF INTERNAL REVENUE SERVICE CODE 274 (H). THE NEW GUIDELINES MAY BE OF INTEREST TO U.S. MEMBERS OF AASP BECAUSE OF THE FORTHCOMING MEETINGS IN DUBLIN (AASP-CIMP, 1982) AND MONTREAL (NAPC III, 1982).

REGULATIONS APPLY TO CONVENTIONS, SEMINARS, OR SIMILAR MEETINGS HELD OUTSIDE OF NORTH AMERICA—CANADA AND MEXICO ARE NOW EXCLUDED AS "FOREIGN" LOCATIONS. DEDUCTIONS WILL BE ALLOWED FOR EXPENSES IF IT IS "AS REASONABLE" FOR THE MEETING TO BE HELD OUTSIDE THE NORTH AMERICAN AREA AS WITHIN IT. FACTORS TO BE TAKEN INTO ACCOUNT IN DETERMINING "REASONABLENESS" INCLUDE: (1) THE PURPOSE OF THE MEETING AND THE ACTIVITIES TAKING PLACE AT THE MEETING, (2) THE PURPOSE AND ACTIVITY OF THE SPONSORING GROUP OR ORGANIZATION, (3) THE RESIDENCES OF THE ACTIVE MEMBERS OF THE SPONSORING ORGANIZATION, AND THE PLACES AT WHICH OTHER MEETINGS OF THE SPONSORING ORGANIZATION HAVE BEEN OR WILL BE HELD, AND (4) OTHER SUCH RELEVANT FACTORS.

THE TWO-CONVENTION-PER-YEAR LIMITATION HAS BEEN REPEALED. THE COACH-FARE LIMITATION FOR COST OF TRAVEL HAS BEEN ELIMINATED, AS HAS THE SUBSISTENCE LIMITATION, ALTHOUGH "LAVISH AND EXTRAVAGANT" EXPENSES ARE NOT DEDUCTIBLE. NO DEDUCTIONS WILL BE ALLOWED IF THE CONVENTION, SEMINAR, OR MEETING IS HELD ON A CRUISE SHIP, WHETHER WITHIN OR WITHOUT UNITED STATES TERRITORIAL WATERS. THE NEW RULES APPLY TO MEETINGS ATTENDED AFTER 31 DECEMBER 1980.

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### VAUGHN BRYANT KISSES OFF "TODAY" SHOW

AASP MANAGING EDITOR VAUGHN BRYANT, A MAN OF MANY TALENTS, APPEARED ON NBC-TV'S "TODAY" SHOW TO DISCUSS—NOT PALYNOLOGY, BUT KISSING. IT ALL HAD TO DO WITH ST. VALENTINE'S DAY. GRINNING BROADLY, VAUGHN DESCRIBED THE ANTHROPOLOGICAL ORIGINS OF THE SMOOCH WITH ANCHORPERSON JANE PAULEY. WARMING TO HIS SUBJECT, VAUGHN ENTHUSED ABOUT THE 3000 YEAR-OLD PRACTICE AND ITS ROLE IN ANCIENT ROME AND THE AGE OF EXPLORATION. THE DISCUSSION THEN TURNED TO REGIONAL DIFFERENCES IN CONTEMPORARY KISSING HABITS IN THE UNITED STATES.

BUT ALAS, IT WAS NOT ACTUALLY ST. VALENTINE'S DAY, IT WAS FRIDAY THE THIRTEENTH. BAD LUCK FOR VAUGHN'S TV CAREER! JANE PAULEY ASKED HOW HE CONDUCTED HIS RESEARCH. "IT'S LIBRARY RESEARCH," CONFESSED VAUGHN. THE EARLY-MORNING FACES OF VIEWERS ACROSS THE LAND FELL. A BETTER PERFORMANCE WAS EXPECTED FROM AASP'S EXPERT ON OSCULATION. "AND TIDBITS HERE AND THERE," ADDED VAUGHN HASTILY. BUT TIME RAN OUT BEFORE HE COULD EXPLAIN MORE FULLY. AN AD FOR LIPSTICK FLASHED ON THE SCREEN.

ACTUALLY, VAUGHN CONDUCTED THE INTERVIEW WITH APLOMB AND SAVOIR FAIRE. IS THERE A "VAUGHN BRYANT SHOW" IN THE WORKS FOR NEXT SEASON? THINK WHAT COULD BE DONE WITH SOME PROPS AND ON-LOCATION SHOTS!

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# CIMP QUESTIONNAIRE IN LIEU OF CIRCULAR 2.

ANTICIPATED INFORMATION ON THE JOINT MEETING OF AASP AND CIMP (DUBLIN, 1982), CONSTITUTING CIMP CIRCULAR 2, HAD NOT ARRIVED BY THE TIME THIS ISSUE OF AASP NEWSLETTER WENT TO PRESS. GENERAL INFORMATION ON THE MEETING WAS PUBLISHED IN VOLUME 13, No. 4 (OCTOBER 1980) AND VOLUME 14, No. 1 (JANUARY 1981) OF AASP NEWSLETTER, AND THERE WILL BE A REPRESENTATIVE OF AER LINGUS AT THE NEW ORLEANS MEETING TO PROVIDE INFORMATION ON IRELAND, BUT AASP MEMBERS HAVE NOT HAD THE OPPORTUNITY TO RESPOND TO A QUESTIONNAIRE THAT HAS BEEN SENT TO CIMP MEMBERS. IF YOU ARE INTERESTED IN GOING TO THE DUBLIN MEETING, PLEASE RESPOND IN WRITING TO THE FOLLOWING QUESTIONS; SEND YOUR RESPONSE TO: GEOFFREY CLAYTON, DEPT. GEOLOGY, TRINITY COLLEGE, DUBLIN 2, IRELAND.

I (WILL, WILL POSSIBLY, WILL NOT) ATTEND THE CIMP-AASP JOINT MEETING IN DUBLIN.

I (INTEND, DO NOT INTEND) TO PRESENT A (PAPER, DEMONSTRATION) AT THE MEETING, ON THE TOPIC....

I WOULD BE INTERESTED IN ATTENDING A POST-CONFERENCE FIELD TRIP TO:

- (A) CAMBRIAN OF THE DUBLIN AREA (ONE DAY)
- (B) LOWER PALEOZOICS OF EASTERN IRELAND (3 DAYS)
- (C) DEVONIAN AND CARBONIFEROUS OF HOOK HEAD, SE IRELAND (1 DAY)
- (D) DEVONIAN AND CARBONIFEROUS OF SOUTHERN IRELAND (3 DAYS).

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## THIRD NORTH AMERICAN PALEONTOLOGICAL CONVENTION

AASP IS ONE OF THE SPONSORS OF THE THIRD NORTH AMERICAN PALEONTOLOGICAL CONVENTION (NAPC III). AASP AND THE CANADIAN ASSOCIATION OF PALYNOLOGISTS HAVE TIME ALLOCATED FOR 2 HALF-DAY SYMPOSIA AT THE MEETING. THE FOLLOWING INFORMATION IS FROM THE NAPC III CIRCULAR. ADDITIONAL INFORMATION CAN BE OBTAINED FROM AASP MEMBERS EVAN KIDSON, JOCELYNE LEGAULT, AND GRAHAM WILLIAMS.

THE CONVENTION AIMS TO BRING TOGETHER SCIENTISTS WHO STUDY THE LIFE OF THE PAST IN ALL ITS FORMS SO THAT THEY CAN EXCHANGE IDEAS ON RECENT ADVANCES. THE FIRST NORTH AMERICAN PALEONTOLOGICAL CONVENTION TOOK PLACE IN 1969 AT THE FIELD MUSEUM IN CHICAGO; THE SECOND IN 1977, AT THE UNIVERSITY OF KANSAS IN LAWRENCE. NORTH AMERICAN PALEONTOL-

OGISTS WILL MEET THE THIRD TIME IN AUGUST 1982 IN MONTREAL.

THE TECHNICAL SESSIONS AT THE CONVENTION WILL TAKE PLACE IN THE STEPHEN LEACOCK BUILDING OF MCGILL UNIVERSITY, 855 SHERBROOKE ST. W., MONTREAL, 5-7 AUGUST 1982. FIELD TRIPS WILL TAKE PLACE AFTER THE MEETINGS.

THE CONVENTION PROGRAM WILL BE MADE UP OF SYMPOSIA, GENERAL SESSIONS, INFORMAL MEETINGS, AND SOCIAL EVENTS. THE ORGANIZING COMMITTEE WILL ARRANGE OPENING AND CLOSING SYMPOSIA ON TOPICS OF GENERAL INTEREST TO ALL PALEONTOLOGISTS. SPACE HAS BEEN ALLOCATED ON THE PROGRAM FOR 15 ADDITIONAL SYMPOSIA OF HALF-DAY LENGTH. MOST OF THESE SYMPOSIA WILL BE ARRANGED BY THE SOCIETIES THAT ACT AS SPONSORS OF THE CONVENTION. PALEONTOLOGISTS NOT CONTRIBUTING TO SYMPOSIA ARE INVITED TO PRESENT PAPERS AT GENERAL SESSIONS. THE "FRIENDS OF..." TAXONOMIC GROUPS WILL BE ABLE TO MEET IN THE LATE AFTERNOONS. SPACE WILL BE AVAILABLE FOR THOSE WHO WISH TO PRESENT THEIR RESULTS IN POSTER FORM OR TO EXHIBIT A GROUP OF SPECIMENS. OTHER EXHIBITS WILL BE LIMITED TO THOSE OF INSTITUTIONAL AND COMMERCIAL PUBLISHERS.

ABSTRACTS OF PAPERS TO BE PRESENTED AT THE CONVENTION WILL BE PUBLISHED IN A SPECIAL SUPPLEMENT TO THE MARCH 1982 ISSUE OF THE JOURNAL OF PALEONTOLOGY. THIS IS THE SAME PROCEDURE AS WAS USED FOR NAPC II. ABSTRACTS MUST BE SUBMITTED ON A FORM AVAILABLE FROM THE CONVENTION AND FROM CHAIRMAN OF SYMPOSIA. SYMPOSIA PARTICIPANTS SHOULD RETURN THE ORIGINAL OF THEIR ABSTRACTS TO THE CONVENTION OFFICE AND SEND COPIES TO THE SYMPOSIUM CHAIRMEN.

THE CONVENTION WILL ALSO PUBLISH ONE OR MORE VOLUMES OF SHORT PAPERS TO BE PRINTED FROM CAMERA-READY COPY AND DISTRIBUTED AT THE CONVENTION. THESE PAPERS WILL BE APPROXIMATELY 6 PAGES IN LENGTH AND MAY CONTAIN PHOTOGRAPHS. FORMS ON WHICH PAPERS MUST BE SUBMITTED AND INSTRUCTIONS FOR THEIR USE WILL BE SENT TO THOSE WHOSE ABSTRACT HAS BEEN APPROVED FOR PUBLICATION AND WHO WILL TAKE PART IN THE CONVENTION PROGRAM. THE PROCEEDINGS WILL BE GIVEN TO EACH REGISTRANT AT THE CONVENTION AND THEIR COST WILL BE INCLUDED IN THE REGISTRATION FEE.

REGISTRATION FORMS AND DETAILS CONCERNING THE LOCAL ARRANGEMENTS WILL BE INCLUDED IN THE SPECIAL SUPPLEMENT TO THE MARCH 1982 JOURNAL OF PALEONTOLOGY. UNCERTAINTY IN THE RATE OF INFLATION AND CURRENCY EXCHANGE MAKES IT IMPOSSIBLE TO SET REGISTRATION FEES OR ESTIMATE THE COST OF ACCOMMODATION UNTIL A FEW MONTHS BEFORE THE EVENT. THIS INFORMATION WILL BE AVAILABLE EARLY IN 1982.

DEADLINES: 1 JANUARY 1981 - SYMPOSIUM PROPOSALS TO THE ORGANIZING COMMITTEE; 15 SEPTEMBER 1981 - ABSTRACTS TO ORGANIZING COMMITTEE AND SYMPOSIA LEADERS; 15 JANUARY 1982 - MANUSCRIPTS FOR PROCEEDINGS TO THE ORGANIZING COMMITTEE.

\* \* \* \* \*

"... LIGHT-HEARTEDNESS IN BRINGING LENSES INTO FOCUS IS UTTERLY MISPLACED."

W. G. HARTLEY, MICROSCOPY, 1962

\* \* \* \* \*

#### CLARA HIRES, SPORES, AND I.R.S.

A RECENT ARTICLE IN THE WALL STREET JOURNAL REPORTED ON A RULING BY THE TAX COURT AGAINST CLARA S. HIRES, DIRECTOR OF A PRIVATE BOTANICAL LABORATORY IN MILLBURN, N.J., AND AUTHOR OF TWO PRIVATELY PUBLISHED VOLUMES ON MORPHOLOGY OF FERN SPORES. VOLUME I OF A PLANNED FIVE-VOLUME SERIES WAS PUBLISHED IN 1965, AND VOLUME II IN 1978. BUT THE FIRST VOLUME SOLD ONLY 518 COPIES. PUBLISHING LOSSES FOR THE PERIOD 1954-1973 WERE \$360,000. MS. HIRES DEDUCTED LOSSES OF \$129,973 IN 1970 THROUGH 1973, BUT THE INTERNAL REVENUE SERVICE DISALLOWED THE DEDUCTIONS AND CLAIMED \$36,539 IN TAXES.

THE TAX COURT HAD TO DECIDE WHETHER MS. HIRES WAS ENGAGED IN PUBLISHING FOR PROFIT IN THOSE YEARS. IF NOT, THE LOSSES WERE NOT DEDUCTIBLE. THE COURT RULED THAT HIRES PUBLISHED FOR "LOVE OF BOTANY" AND A DESIRE TO REACH OTHER SCIENTISTS, AND NOT FOR "EXPECTATION OF PROFIT." DESPITE 20 YEARS OF LOSSES, THE COURT DENIED THE DEDUCTIONS.

\* \* \* \* \*

#### THOR, BOOKS, AND I.R.S.

A RECENT ARTICLE IN MYCOLOGICAL SOCIETY OF AMERICA NEWSLETTER REPORTED ON THE EFFECTS OF THE SUPREME COURT DECISION IN THE CASE INVOLVING THOR MACHINE TOOL COMPANY VS. INTERNAL REVENUE SERVICE. THE COURT UPHELD AN IRS RULING THAT COMPANIES WITH WAREHOUSED STOCKS (INCLUDING BOOKS) MUST PAY TAX ON THEM AT FULL MARKET VALUE, WITH NO DEPRECIATION ALLOWED. THE RESULT IS THAT PUBLISHERS MAY NOT BE ABLE TO AFFORD TO MAINTAIN EXTENSIVE BACKLISTS OF TITLES IN PRINT, AND WOULD THEREFORE DESTROY THEM. THIS WOULD BE A SERIOUS BLOW TO SCIENTIFIC PUBLISHING, IN WHICH STANDARD WORKS TEND TO HAVE A LOW VOLUME OF SALES OVER A NUMBER OF YEARS. A MEMBER OF THE MSA WAS NOTIFIED BY SPRINGER-VERLAG THAT THEY ARE RETAINING 120 COPIES OF A MYCOLOGICAL TEXT, AND THAT THE REST WILL BE PULPED.

\* \* \* \* \*

#### STATE OF UTAH RESTRICTS FOSSIL COLLECTING

IF YOU WANT TO COLLECT FOSSILS OR SAMPLES OF FOSSILIFEROUS FORMATIONS IN THE STATE OF UTAH, YOU HAD BETTER HAVE YOUR PERMIT WITH YOU. UNDER PROVISIONS OF THE UTAH STATE ANTIQUITIES ACT, FOSSILS ARE PROTECTED BY THE SAME RULES THAT PREVIOUSLY APPLIED ONLY TO ARTIFACTS AND AREAS OF ARCHEOLOGICAL IMPORTANCE. THE LAW STATES THAT INDIVIDUALS MUST CARRY A VALID PERMIT FROM THE APPROPRIATE AGENCY WHEN CONDUCTING "PALEONTOLOGICAL SURVEYS AND FIELD INVESTIGATIONS" OR COLLECTING IN THE STATE OF UTAH. THE "APPROPRIATE AGENCY" WHERE STATE LAND IS INVOLVED IS THE PALEONTOLOGY BRANCH OF THE ANTIQUITIES SECTION, DIVISION OF STATE HISTORY. WHERE FEDERAL LAND IS INVOLVED, STATE PALEONTOLOGIST JAMES H. MADSEN, JR. HAS REQUESTED THAT THE BUREAU OF LAND MANAGEMENT, FOREST SERVICE, AND NATIONAL PARK SERVICE FORWARD PERMIT APPLICATIONS TO HIS OFFICE FOR REVIEW.

GUIDELINES FOR RESTRICTING ACCESS TO "PALEONTOLOGICALLY SENSITIVE FORMATIONS" IN UTAH WERE DISTRIBUTED IN JANUARY 1981, ALONG WITH A LIST OF SUCH FORMATIONS. THE LIST

INCLUDES FORMATIONS RANGING IN AGE FROM CAMBRIAN TO PLEISTOCENE, AND IS SUBDIVIDED ACCORDING TO KINDS OF FOSSILS. THE LIST INCLUDES 35 FORMATIONS BEARING INVERTEBRATE FOSSILS, 50 WITH VERTEBRATES, 15 WITH TRACE FOSSILS, AND 15 BEARING FOSSIL PLANTS.

THESE RESTRICTIVE MEASURES ARE AN EXAMPLE OF THE EMERGING ISSUE OF "PROTECTION OF PALEONTOLOGICAL RESOURCES," PENDING FEDERAL LEGISLATION, AND THE POSITION TAKEN BY THE PALEONTOLOGICAL SOCIETY (PS), WERE DISCUSSED IN AN ARTICLE IN AASP NEWSLETTER, VOLUME 12, NO. 4 (SEPTEMBER 1979). PS ATTEMPTED TO DRAW A DISTINCTION BETWEEN VERTEBRATE FOSSILS INCLUDING HUMAN CULTURAL MATERIALS AND OTHER KINDS OF FOSSILS. MICROFOSSILS WERE TO BE SPECIFICALLY EXCLUDED FROM RESTRICTIONS. THE IMPACT ON PALYNOLOGY OF THE UTAH LAW IS UNCLEAR.

\* \* \* \* \*

#### BORING FACTS FROM THE U.S. GEOLOGICAL SURVEY (WITH GRATUITOUS SNIDE COMMENTS)

STREAMS AND RIVERS IN THE CONTERMINOUS 48 STATES DISCHARGE AN AVERAGE OF 491 MILLION TONS OF SUSPENDED SEDIMENT INTO THE OCEANS EACH YEAR. (WAIT, THERE'S MORE...)

IF ALL THE SEDIMENT DISCHARGED IN ONE YEAR—NAMELY THIS 491 MILLION TONS—WERE PILED ON THE MALL IN WASHINGTON, D.C., AN AREA 2 MILES LONG AND 600 FEET WIDE BETWEEN THE CAPITOL BUILDING AND THE LINCOLN MEMORIAL, THE PILE WOULD REACH A HEIGHT OF ABOUT 1400 FEET, OR 2½ TIMES AS HIGH AS THE WASHINGTON MONUMENT. (THE ONLY THING HIGHER IN WASHINGTON WOULD BE THE PILE OF PAPER NEEDED TO WRITE THE ENVIRONMENTAL IMPACT STATEMENTS DESCRIBING THE EFFECTS OF PILING ALL THAT SEDIMENT ON FEDERAL LAND.)

ON THE AVERAGE, A CUBIC MILE OF THE EARTH'S CRUST CONTAINS ABOUT 62 TONS OF GOLD, AND A CUBIC MILE OF SEA WATER CONTAINS ONLY ABOUT 40 POUNDS OF GOLD. (WHICH IS WHY MOST OF THE WORLD'S BEST GOLD MINES ARE DUG ON DRY LAND INSTEAD OF IN THE WATER.)

HOW MUCH WATER IN A 12-OUNCE CAN? TWELVE OUNCES, PLUS AN ESTIMATED 66.6 QUARTS OF WATER USED DIRECTLY AND INDIRECTLY TO MANUFACTURE THE CAN. (TRICK QUESTION.)

THE NATION NOW USES ABOUT 450 BILLION GALLONS OF WATER A DAY IN ITS HOMES, FARMS, OFFICES, AND FACTORIES, OR ABOUT 2000 GALLONS PER PERSON PER DAY. (HAVE YOU USED YOUR 2000 GALLONS TODAY?)

IF THE ANTARCTIC ICECAP WITH ITS 6-7 MILLION CUBIC MILES OF WATER WERE MELTED AT A SUITABLE UNIFORM RATE, IT COULD SUPPLY THE FLOW OF ALL RIVERS IN THE UNITED STATES FOR ABOUT 17,000 YEARS. (CONVERSELY, IF ALL THE STREAMFLOW FOR THE NEXT 17,000 YEARS WERE FROZEN...)

THE WORLD'S OLDEST FISH—DATING BACK ABOUT 510 MILLION YEARS—WAS DISCOVERED IN WYOMING IN 1978 BY A SURVEY PALEONTOLOGIST. (THE NAME OF THE RESTAURANT WAS NOT REVEALED.

(REPRINTED WITH PERMISSION FROM USGS NEWSLETTER)

## PALYNOLITERATURE

DOHER, L. I., 1980, PALYNOMORPH PREPARATION PROCEDURES CURRENTLY USED IN THE PALEONTOLOGY AND STRATIGRAPHY LABORATORIES, U.S. GEOLOGICAL SURVEY: GEOL. SURVEY CIRC. 830, 29 P., FREE ON APPLICATION TO: BRANCH OF DISTRIBUTION, U.S.G.S., 604 SOUTH PICKETT ST., ALEXANDRIA, VA 22304.

MORGAN, R., 1980, PALYNOSTRATIGRAPHY OF THE AUSTRALIAN EARLY AND MIDDLE CRETACEOUS: MEM. GEOL. SURVEY NEW SOUTH WALES, PALAEONTOLOGY No. 18, 153 P. (INCL. 38 PLS.), \$20 (AUSTRALIAN) PLUS POSTAGE (\$3.65 SURFACE, \$6.00 AIR); DEPT. MINERAL RESOURCES, BOX 5288, GPO, SYDNEY, NEW SOUTH WALES, AUSTRALIA 2001. (A REVIEW COPY HAS BEEN RECEIVED BY THE AASP NEWSLETTER EDITOR.)

MINGATE, F. H., 1980, PLANT MICROFOSSILS FROM THE DENTON SHALE MEMBER OF THE BOKCHITO FORMATION (LOWER CRETACEOUS, ALBIAIN) IN SOUTHERN OKLAHOMA: OKLAHOMA GEOL. SURVEY BULL. 130, 93 P. (INCL. 17 PLS.), \$8.00 PAPER, \$12.00 CLOTHBOUND; OKLAHOMA GEOL. SURVEY, 830 VAN VLEET OVAL, NORMAN, OK 73019.

PLAYFORD, G., AND DRING, R. S., LATE DEVONIAN ACRITARCHS FROM THE CARNARVON BASIN, WESTERN AUSTRALIA: PALAEONTOL. ASSOC. SPEC. PAPERS IN PALAEO. No. 27, 78 P., 19 PLS., £15; MARSTON BOOK SERVICES, P.O. BOX 87, OXFORD OX4 1LB, ENGLAND.

WILSON, G. J., AND CLOWES, C. D., 1980, A CONCISE CATALOGUE OF ORGANIC-WALLED FOSSIL DINOFLAGELLATE GENERA: NEW ZEALAND GEOL. SURVEY REPORT 92, 199 P., NZ\$ 10.00 (PLUS POSTAGE); N. Z. GEOL. SURVEY PUBLICATIONS, P.O. BOX 30368, LOWER HUTT, NEW ZEALAND.

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### PALAEBOTANY SYMPOSIUM AT NAPC III

THE PALEOBOTANICAL SECTION OF THE BOTANICAL SOCIETY OF AMERICA WILL SPONSOR A SYMPOSIUM ON "GEOLOGIC FACTORS AND THE EVOLUTION OF PLANTS" AT THE THIRD NORTH AMERICAN PALEONTOLOGICAL CONVENTION, MONTREAL, 1982. CONTRIBUTORS WILL BE ASKED TO ADDRESS THE EFFECTS OF GEOLOGICAL FACTORS UPON THE EVOLUTIONARY HISTORY OF PLANTS OR THE RECIPROCAL INFLUENCE OF PLANTS UPON GEOLOGICAL PROCESSES. BOTH BOTANICAL AND GEOLOGICAL PERSPECTIVES ARE DESIRED, AND AN INTERDISCIPLINARY APPROACH IS ESSENTIAL. ADDITIONAL INFORMATION AND OFFICIAL SUBMITTAL FORMS ARE AVAILABLE FROM THE SECRETARY OF THE SYMPOSIUM STEERING COMMITTEE, BRUCE H. TIFFNEY, DEPT. BIOLOGY, YALE UNIV., 260 WHITNEY AVE., P.O. BOX 6666, NEW HAVEN, CT 06511.

(FROM IAAP NEWSLETTER)

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### "FOCUS" NEEDS ITEMS

INFORMATION ON PROGRAMS IN PALYNOLOGICAL RESEARCH AT NORTH AMERICAN INSTITUTIONS IS NEEDED FOR "FOCUS." HAS ACTIVITY IN YOUR ORGANIZATION BEEN PROFILED?

\* \* \* \* \*

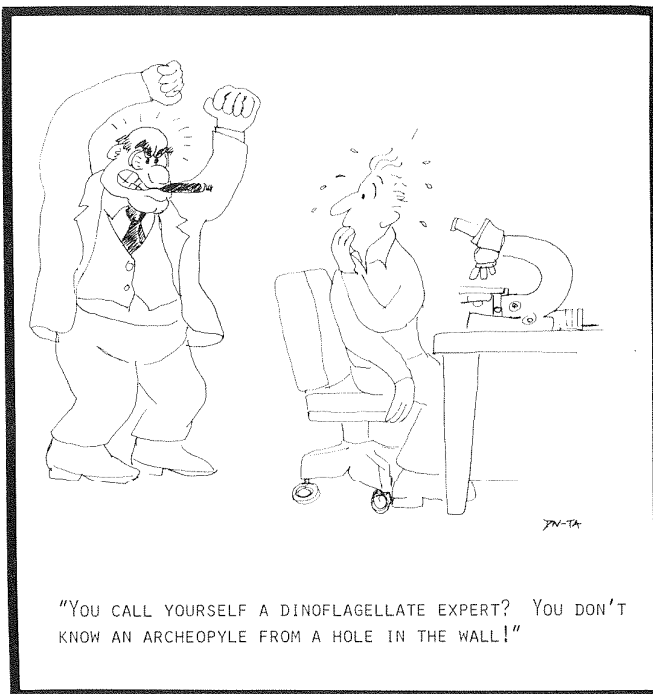
### 400 AASP MEMBERS NEARING RETIREMENT?

"MANY PALYNOLOGISTS ARE NEARING RETIREMENT AGE. SOME 400 PEOPLE WILL RETIRE DURING THE NEXT DECADE AND THE INDUSTRY IS WORRYING ABOUT HOW THEY'RE GOING TO REPLACE THEM..." QUOTED A RECENT ARTICLE IN THE CHICAGO TRIBUNE. THE ITEM, WHICH WAS REPRINTED A FEW DAYS LATER IN THE HOUSTON POST, QUOTED AASP PUBLIC RELATIONS SPOKESMAN VAUGHN BRYANT. THE TRIBUNE ARTICLE APPEARED AS A COLUMN BY CAREERS EDITOR CAROLE CARMICHAEL. THE POST PICKED IT UP AND RAN IT UNDER THE HEADLINE "MANY MEMBERS OF VITAL SPECIALTY NEAR RETIREMENT."

THE CHICAGO TRIBUNE CHARACTERIZED PALYNOLOGISTS AS "FOSSIL FUEL DETECTIVES" AND SAID THEY ARE NEARING "EXTINCTION." THE ARTICLE STATED THAT PALYNOLOGY IS A SMALL DISCIPLINE THAT PLAYS A VITAL ROLE IN THE SEARCH FOR OIL, GAS, AND COAL. VAUGHN BRYANT WAS QUOTED AS EXPLAINING HOW PALYNOLOGISTS WORK WITH EXPLORATION GEOLOGISTS IN ESTABLISHING DRILLING PROGRAMS. ALTHOUGH REWARDS ARE GREAT (ANNUAL SALARIES OF \$35,000 AND UPWARD WERE CITED), FEW SCHOOLS ARE PRODUCING STUDENTS WITH REQUISITE DEGREES. PALYNOLOGISTS ORIGINALLY TRAINED 30 YEARS AGO ARE NOW NEARING RETIREMENT. EXPANDED EXPLORATION EFFORTS HAVE ALSO INCREASED THE DEMAND FOR PALYNOLOGISTS, THE ARTICLE STATES. QUALIFICATIONS FOR THE FIELD INCLUDE TRAINING IN BOTANY AND GEOLOGY AND THE DEDICATION TO SPEND MANY HOURS AT THE MICROSCOPE. "SOME PEOPLE FIND THESE THINGS TOO TEDIOUS" SAID VAUGHN.

PALYNOLOGY AS A CAREER WAS DESCRIBED IN AN ARTICLE THAT APPEARED IN THE NEW YORK TIMES IN JULY 1979. COPIES OF THAT ARTICLE ARE AVAILABLE ON REQUEST FROM YOUR AASP NEWSLETTER EDITOR.

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## FOCUS

NATIONAL MUSEUMS OF CANADA  
NATIONAL MUSEUM OF NATURAL SCIENCES

PRESENT WORK IN PROGRESS INVOLVES A SURVEY OF THE FOSSIL OCCURRENCES OF THE MONOCOTYLEDON GENUS PANDANUS (PANDANACEAE), THE POLLEN OF PANDANIIDITES ELSE, SPINAMONOPORITES SAH, AND OTHER MONOPORATE, SPINULATE POLLEN. AT LEAST 16 REPORTS OF POLLEN COMPARABLE TO THE PANDANACEAE ARE RECORDED IN THE LITERATURE. SOME ARE QUITE DOUBTFUL, YET OTHERS NEED FURTHER EXAMINATION TO CONFIRM OR DENY THEIR SUGGESTED AFFINITY. SEM AND LIGHT MICROSCOPIC INVESTIGATIONS ARE UNDER WAY, EXAMINING MODERN POLLEN OF NUMEROUS SPECIES OF PANDANUS AS WELL AS TAXA WITH SIMILAR POLLEN MORPHOLOGY (E.G., LEMNACEAE, SOME PALMAE, ARACEAE, LILIACEAE, AND OTHERS). THROUGH COOPERATION WITH BENJAMIN STONE (MALAYSIA) AND KIM-LANG HUYNH (SWITZERLAND), SAMPLES OF MODERN PANDANUS POLLEN ARE BEING MADE AVAILABLE. THE UBIQUITOUS OCCURRENCE OF "PANDANACEOUS-LIKE" POLLEN IN THE UPPER CRETACEOUS AND SOME LOWER TERTIARY STRATA OF THE WESTERN INTERIOR MAKES THE IDENTIFICATION OF THIS POLLEN TYPE TO AT LEAST FAMILY LEVEL DESIRABLE. THE ECOLOGICAL PARAMETERS AND PRESENT-DAY GEOGRAPHIC BOUNDARIES ASSOCIATED WITH THE GENUS WOULD SUPPLY ADDITIONAL DATA RELEVANT TO THE PALEOENVIRONMENT OF THE CANADIAN WESTERN INTERIOR DURING THE CRETACEOUS-TERTIARY TRANSITION.

FINAL PREPARATIONS ARE BEING MADE ON A MANUSCRIPT DESCRIBING THE PALYNOFLORA FROM TENDAGURU HILL, SOUTHERN TANZANIA. THE JURASSIC DINOSAUR FAUNA, WELL DESCRIBED AND USED TO CORRELATE NORTH AMERICAN JURASSIC FAUNAS IS, TO JUDGE FROM THE ASSOCIATED PALYNOFLORA, CONTAINED WITHIN SEDIMENTS THAT MAY BE AS YOUNG AS EARLY CRETACEOUS.

THE PALYNOLOGY LABORATORY OF THE NATIONAL MUSEUM OF NATURAL SCIENCES MAINTAINS A MODERN POLLEN AND SPORE REFERENCE COLLECTION. PREPARED BY STANDARD TECHNIQUES, AND MOUNTED ONTO MICROSCOPE SLIDES, THE COLLECTION REPRESENTS 8000 SPECIES IN MORE THAN 200 FAMILIES OF THE PLANT KINGDOM. ALTHOUGH THE EMPHASIS IS ON ANGIOSPERM FAMILIES OF TROPICAL OR SUBTROPICAL HABITAT, THE COLLECTION INCLUDES A COSMOPOLITAN SAMPLING OF ALGAL ZYGOSPORES, FUNGAL, BRYOPHYTE, AND FERN SPORES, AS WELL AS GYMNASPERM AND ANGIOSPERM POLLEN. IN CONJUNCTION, THERE IS EXCHANGE MATERIAL OF PREPARATION DUPLICATES. THE MAIN PURPOSE OF THE COLLECTION IS TO ENABLE PALYNOLOGISTS TO MAKE COMPARISONS BETWEEN FOSSIL AND MODERN POLLEN AND SPORES. IN DOING SO A BETTER UNDERSTANDING OF PALEOENVIRONMENTS CAN BE OBTAINED. THE COLLECTION HAS POTENTIAL USE IN OTHER AREAS SUCH AS ARCHEOLOGY, BIOSYSTEMATICS, AEROBIOLOGY, AND ECOLOGY. WE INVITE VISITORS TO USE THE COLLECTION AND WOULD WELCOME THE ESTABLISHMENT OF AN EXCHANGE PROGRAM WITH INDIVIDUALS OR INSTITUTIONS. IN PARTICULAR WE WOULD LIKE TO IMPROVE OUR REPRESENTATION OF CANADIAN FLORA. REFERENCES THAT MAY BE USEFUL TO THOSE INTERESTED ARE: JARZEN, D. M., 1977. THE POLLEN AND SPORE REFERENCE COLLECTION AT THE NATIONAL MUSEUMS OF CANADA: NATL. MUS. NAT. SCI. SYLLOGEUS No. 13; AND JARZEN, D. M., AND WHALEN, G. J., 1978, CATALOGUE OF THE POLLEN AND SPORES EXCHANGE

COLLECTION NATIONAL MUSEUM OF NATURAL SCIENCES: NATL. MUS. NAT. SCI. SYLLOGEUS No. 16.

D. M. JARZEN & G. J. WHALEN

(REPRINTED WITH PERMISSION FROM CAP NEWSLETTER)

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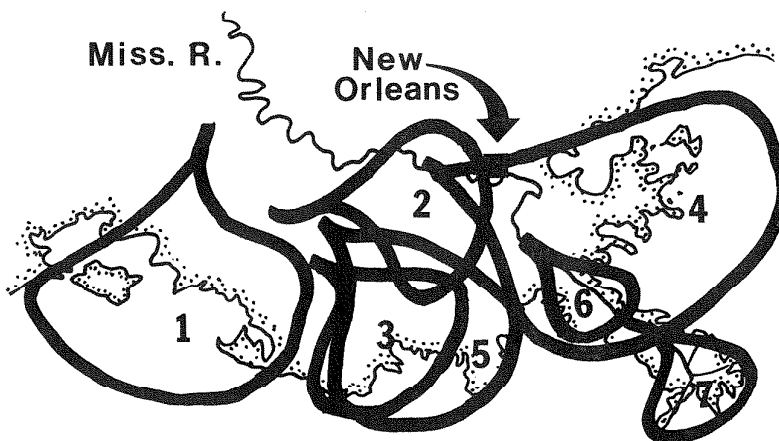
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#### MISSISSIPPI RIVER DELTAS

- 1 - SALÉ-CYPREMORT
- 2 - COCODRIE
- 3 - TECHÉ
- 4 - ST. BERNARD
- 5 - LAFOURCHE
- 6 - PLAQUEMINES
- 7 - BALIZE



(AFTER KOLB & VAN LOPIK, 1966,  
IN "DELTA(S)" HOUSTON GEOL. SOC.)

GET DOWN - ON THE DELTA(S) - NEW ORLEANS '81