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DISCLAIMER

This newsletter is not published for permanent scientific record as required for publication by the International Code of Zoological Nomenclature.
NEWS

ARGENTINA
Correspondent: Alwine Bertels

AUSTRALIA
Correspondent: Kerry Swanson

AL-AMIN IDRIS continues his part-time M.Sc. on the Late Oligocene from the Lakes Entrance Formation, Gippsland Basin, Australia, for which he has an industry (Esso) funded studentship. He also continues his part-time position as a technical assistant in micropaleontology.

MICHAEL AYRESS Michael continues his research on Quaternary benthi onic Ostracoda and water masses of the Tasman Sea and SW Pacific. He also maintains an active interest in Tertiary ostracods of New Zealand and DSDP/ODP cores of the SW Pacific. He has now joined the editorial board of the "Stereo Atlas of Ostracod Shells".

THIERRY CORREGGE Thierry continues his work on the geochemistry of marine ostracod shells. He and Patrick De Deckker have one article in press and another submitted on that topic. They also presented some recent geochemical results at the 4th International Conference on Palaeoceanography at Kiel. In collaboration with Michael Ayress, three articles have been published in the Stereo-Atlas with two more submitted recently. Michael and Thierry have also submitted a paper to the Journal of Micropaleontology. Thierry has just completed a study of the relationship between ostracods and water masses in the western Coral Sea (one article has been submitted to Paleo).

PATRICK DE DECKKER The study of the marine Quaternary of the deep-sea (>1000m) of the Australian region is continuing at a great pace. The work is multidisciplinary in nature and involves a large group of people in the Geology Department at ANU. Collaboration also is very fruitful with Dr. Allan Chivas from the Research School of Earth Sciences at ANU. Allan has had a long collaboration with Patrick and Mike Shelley on the study of trace-elements in ostracod shells. Allan also carries out stable-isotope analyses of forams and ostracods from the cores and is a joint author for several papers in prep. and in press.

Part of the work on the high resolution work (=sampling sometimes at 2 cm intervals) on the cores consists in studying the ostracod fauna as well as the forams, nanofossils, and also looking at the sediment composition. At present here are the people gathered in the team. Michael Ayress (postdoctoral fellow: ostracods), Patrician Wells (postdoctoral fellow about to complete her appointment with us: forams), Tony Rathburn (postdoctoral fellow who just arrived after 2 months at sea in the vicinity of Prydz Bay, Antarctica: forams and ostracods), Thierry Corregge (Ph.D. student in the last few days of his thesis: ostracods), Vicki Drapala (Ph.D. student who will complete her thesis this year and then spend 2 months in Bordeaux studying ostracods from the southern ocean), Ignacio Martinez (Ph.D. student also finishing this year: forams), Leanne Dainisla (a new Ph.D. student about to commence her thesis on diatoms from several of the cores studied by others). Later on in the year Stefan Nees from Kiel will join us for a year on a postdoctoral fellowship. There is also Kerry Swanson from New Zealand who is associated to our group through a postgraduate degree which he is completing at ANU. Kerry has some really exciting data on deep sea ostracods from the Challenger Plateau, west of New Zealand (five and Quaternary) dealing especially with dissolution cycle during the last glacial/interglacial cycle.

Of interest also is the work of Ayress from the Tasman Sea (at present mainly of taxonomic nature), Drapala from the southern/Indian Ocean offshore Victoria, and Corregge from the Queensland
HEINZ LÖFFLER is working on Recent Ostracoda from the Danube wetland in Lower Austria. He participates in an interdisciplinary project dealing with global climatic changes in the past.

NICOLETTA RIEDL (University of Salzburg) continued the study of five new species of Elpidium from Jamaica which will be described in collaboration with D.L.D. and P. Hebert (University of Guelph).

IRENE ZORN I am working on systematics, paleoecology and biostratigraphy of Early Miocene ostracods from Austria for my dissertation.

BANGLADESH

S. TAHER AHMED From Oct. 91 to Sept 92 I stayed in the Department of Geological Sciences (Micropalaeontology Unit), University College of London, U.K. There I carried out some research work as E.E.C. Fellow on Tertiary ostracods, forams, and nanofossils from Bangladesh. A paper entitled **Calcareaous micropaleontology of the Neogene of Cox’s Bazar, Bangladesh** has been accepted for publication in Revista Espanola de Micropal., v. 25. In this paper seventeen ostracod species from Bangladesh have been described.

BELGIUM

Correspondent: Karel Wouters

JEAN-GEORGES CASIER is continuing work on Middle Devonian ostracods (Elfelian-Givetian boundary) and on ostracods from the Frasnian-Famennian boundary (FFB) in connection with the Upper Devonian Mass Extinction. Microscopic beads of glass were found among Ostracoda near the FFB in two sections, Senzeille, and Hony, located in the Dinant Basin in the south of Belgium and maybe at Coumiac in Montagne Noire (S. France). These spherules are interpreted by Claeys and Margolis of the California University at Davis, as impact-produced microtektite glass. This discovery demonstrates that an impact occurred at or near the FFB, which is also marked by one of the largest mass extinctions in the fossil record. **Myodocopid Ostracoda** (Cyprinidae) indicate anoxic conditions close to the FFB in the Paleolitheys. The possible link between the Upper Devonian mass extinction and the impact certainly deserves further study.

MICHEL COEN

Guy Wansard resumed a study initiated by M. Coen about Mg and Sr content of ostracod shells as a paleotemperature indicator. Highly promising results were driven from a sequence in northern Spain ranging from full Ice Age to Atlantic through the Late Glacial-Postglacial transition. Uncertainties regarding financial support and analytical facilities threaten the future of the project. The method has got something going for it, that is for certain!


Field work was effected on Lake Tanganyika (Tanzanian side in June, Burundi and Zaire coast in November—the latter together with Andy Cohen and J.T. Tiercelin). Mr. Sunny George (Kerala, India)
has spent three months in the lab to work on non-marine ostracods from southern India (see 4 papers in press). Andy Cohen and Lisa Park (Tucson, Arizona) visited to discuss ostracods from Tanganyika. Julie Turgeon (Guelph, Canada) visited to discuss morphology and genetics of North American Cyprioceridae. A three-day meeting with A. Baltanas (Madrid), W. Geiger (Monsesee), and H. Griffiths (Leeds) was organized in Brussels to prepare an EEC-research proposal on parthenogenesis and bisexual reproduction in European ostracod populations.

Suggested topics for 1993: largely the same as for 1992, but (hopefully) with less fieldwork. I will organize (together with B. Goddeeris and G. Coulter) a workshop in Belgium, early March, on Speciation in Ancient Lakes. Proceedings of this workshop will be published in the series Advances in Limnology.


KAREL WOUTERS is continuing research on marine and brackish Cypridacea and on marine interstitial ostracods from the Indo-Pacific Ocean, mainly from Papua New Guinea. Together with Koen Martens, he is studying the taxonomy of Cytheracea from Lake Tanganyika. In 1992 he spent much time making an inventory of the ostracod collections of the Royal Belgian Institute of Natural Sciences.

BRAZIL

Correspondent: Luiz Carlos da Silva Freitas

JOAO CARLOS COIMBRA Research on post-Paleozoic ostracodes. I am working on a Ph.D. thesis on taxonomy, paleoecology and biostratigraphy of Upper Cretaceous and Lower Tertiary series in wells of Pelotas Basin, southern Brazil. In progress: (1) biofacies of ostracodes in the Rio de Janeiro continental shelf; (2) biostratigraphy and paleoecology of post-Miocene ostracodes from Pelotas Basin, southern Brazil (with Sanguinetti and Omelias); (3) the sub-Recent ostracodes of the Tamandare Bay, northeastern Brazil; a preliminary report on biofacies (with Ramos and Sanguinetti).

PAULA DELITO is working on her M.Sc. thesis about marine ostracods of Upper and Middle Cretaceous age from Potiguara Basin, northeastern Brazil, at the Rio Grande do Sul Federal University.

C.E.Z. FIGUEIREDO New data about the Miocene ostracodes from Pelotas Basin, southern Brazil.

LUIS CARLOS DE SILVA FREITAS is involved with projects on the equatorial marginal basins as well as on the Camamu and Almada basins, eastern Brazil. Besides this, he will also be working on a taxonomic project of the marine and non-marine ostracodes of co-work between the Brazilian
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(CENPES/PETROBRAS) and the Argentinian government (U.N.S.J.B., C. Rivadavia, Argentina).

Other work: (1) biochronostratigraphic revision and correlation of the wells from Camamu Basin, eastern Brazil; (2) working with Prof. Musacchio from UNSJ.B (Argentina) on an integration project that intends to review the taxonomy of the main groups of ostracodes (marine and non-marine) from the Brazilian basins; (3) biochronostratigraphic review of the Alagoas local stage of Lower Cretaceous from the Equatorial marginal basins, Brazil.

PAULO CESAR GALM is working on a project about the Barra de Itiuba and Penedo Formations of the Lower Cretaceous age, from Sergipe-Alagoas basin. In this project he will also be investigating the Jiquia and Alagoas local stages from this basin.

JEANINE DE LACERDA GRILO is working on the following projects for the study of the non-marine Early Cretaceous sequences of Brazilian marginal basins: (1) biostratigraphic review of Buracica field area, Reconcavo basin, with emphasis on the Taquipe Canyon section and (2) integrated stratigraphic study of the Camamu and Almada Basins.

JARBAS VICENTE POLEY GUZZO finished the ostracode biochronostratigraphic analysis of the Lower Cretaceous Rio da Serra and Aratu local stages of the Potiguar Basin. Those data integrated with geophysical and sedimentological ones, were used to develop a broad and solid evolutive basin model. He is now studying the chronostratigraphic correlation of ostracode assemblages from Potiguar basin with the ones found at Reconcavo basin.


PAULO DA SILVA MILHOMEM is working on the following projects for the study of the non-marine Early Cretaceous sequences of Brazilian marginal basins: (1) biostratigraphic review of the Rio de Serra stage (Berriasian to Valangian) sequences of the Miranga profundo field, Reconcavo basin; (2) biostratigraphic review of Buracica field area, Reconcavo basin, with emphasis on the Taquipe Canyon section; (3) integrated stratigraphic study of the Tucano and Jatoba basins; (4) paleoecological reconstruction of the Reconcavo basin on the basis of qualitative and quantitative analysis of the Ostracoda fauna; (5) co-participation on the general taxonomic review of the Brazilian ostracode fauna, which is to be carried out by Eduardo Musacchio (University of Patagonia, Argentina).

LILIA PINTO DE ORNELLAS She retired, but continues the research of marine ostracodes from the Brazilian shelf.


IVONE PURPER retired, but published her last paper about Plio-Pleistocene ostracodes of the Upper Amazon Basin.

YVONE T. SANGUINETTI Research in progress: Post-Miocene ostracodes from Pelotas Basin, southern Brazil. Taxonomy, Part II (with Colimbra and Ornellas).

In press: Post Miocene ostracodes from Pelotas Basin, southern Brazil. Taxonomy, Part I (with Colimbra and Ornellas: Pesquisas 18(2).

M.Sc. thesis supervision: D. Carmo, Deep-sea species of the genus Krithe Brady, Robertson and
AUGUSTO CARLOS SILVA-TELLES JR. is working on projects about Early Cretaceous non-marine ostracodes and mid/upper Cretaceous marine ostracodes of Brazilian sedimentary basins. (1) Biostratigraphy and paleoecology of non-marine ostracodes of the Coquina Sequence of the Lagoa Fiel Formation, Lower Cretaceous Jiquia Local Stage of the Campos Basin—using quantitative methods, biofacies, and paleocommunity analysis. (2) Biostratigraphy and paleoecology of Mid- to Upper Cretaceous marine ostracodes of Sergipe-Alagoas and Pottiguar basins (northeastern Brazil) (with E.A.M. Koutsoukos and M.C. Viviers). (3) Paleoecological reconstruction of the fluvial-deltaic-lacustrine sequences of Reconcavo Basin, on the basis of biofacies and paleocommunity analysis.

He is now starting his post-graduate studies at the Universidade Federal do Rio Grande do Sul (UFRGS). He intends to develop biochronostratigraphic and paleoecological studies about the non-marine ostracodes of the Jiquia local stage, Lower Cretaceous age from the Eastern Brazilian marginal basins.

VLADIMIR DE ARAUJO TAVORA has just presented (last November, 1992) his thesis about the Marine Ostracodes from Pirabas Formation, Barreirinhas basin, Para and obtained his master’s degree.

NORMA WURDIG is publishing on freshwater and mixohaline Brazilian ostracodes, with an emphasis on ecology.

Ph.D. thesis supervision: M.I.F. Santos, Quaternary ostracodes from Mirim Lake, southern Brazil. Taxonomy, ecology, and paleoecology.

CANADA

Correspondent: Elisabeth Brouwers

PIERO ASCOLI I did not carry out any activity on Ostracoda during 1992.

URSULA M. GRIGG I am looking at the ostracodes of the salt water/freshwater boundary, in one of our numerous saltmarshes. There are several species that we have not encountered before. I am also involved with the Pleistocene cores from the Gulf of St. Lawrence and the Newfoundland coast which Qadeer Siddiqui is investigating.

PAUL D.N. HEBERT Work on ostracodes within my lab continues with three primary research projects: (1) Collaborative studies with Dr. Dan Danielopol and Ms. Nicoletta Riedl on the ostracode fauna of bromeliads from Jamaica; (2) Ms. J. Turgeon will complete her M.Sc. thesis which examined patterns of genetic diversity in North American members of the genera Cyprinotus and Cypricercus; (3) Dr. J. Chaplin, who holds a NSERC International Fellowship, is working on mitochondrial DNA diversity using PCR products from both Cypricercus and Cyprinotus. She is as well carrying out studies on allozyme diversity in Cypridopsis vidua.

It may interest readers to note that our genetic studies have established the general prevalence of polyploidy in asexual ostracode species from temperate and arctic North America. We have, as well, been able to show that many asexual ostracodes are very genetically diverse, and that the different clones which comprise such species often show marked variation in shell shape and colour. Finally, our work has shown that much of the genetic diversity in asexuels appears to arise as a result of hybridization with closely related sexual species.

QADEER A. SIDDQUI A new project, funded by Energy, Mines and Resources Canada: to determine paleosalinities and paleo-sealevels by using ostracods in Pleistocene cores from the Gulf of St. Lawrence and the coast of Newfoundland as indicators. My team includes Geoff Davis, a Geology Honours student here at St. Marys University.
I am completing descriptions of non-trachyleberid ostracods from the early Tertiary of the Sor and Sulaiman Ranges in Pakistan.

LYNDA TAYLOR I recently finished my M.Sc. thesis entitled "The response of spring-dwelling ostracodes to intra-regional differences in groundwater chemistry associated with road-salting practices in southern Ontario: A test using an urban-rural transect". In addition to getting this material ready for publication, I am making arrangements to continue my ostracode studies (Ph.D.) in Australia under the direction of Patrick De Deckker.


JOHN H. WALL I officially retired from the Geological Survey of Canada in April 1992 but have been given office space to finish projects primarily involving Mesozoic foraminifers. I am also doing curatorial work on microfossil type specimens and assemblages in the GSC collections, including ostracodes.

PEOPLES REPUBLIC OF CHINA
Correspondent: Wang Shang-qi

CAI ZHI-GUO I am working with Cui Zhan-tang, Liu Dong-fang, Yang Xin-chang, Li Hong-rong, and Yang Shi-zhong on the Tertiary Ostracoda from the Jizhong Depression of Hebei Province, China.

I have just completed my research on characteristics of geological and geographical distribution of the Tertiary ostracode faunas, especially geological and geographical distribution of four ostracode faunas (Sinocypris, Cyprinitus nefandus, Chinocythere, and Cypridea) and correlation of these fauna-bearing strata.

CAO MEI-ZHEN and YE CHUN-HUI Current work on ostracode topics: Mesozoic and Cenozoic non-marine ostracodes from the Tarim Basin, Xinjiang, China.

GOU YUN-XIAN is working on Late Cenozoic Ostracoda from the Qinghai-Xizang Plateau, China.

HOU YOU-TANG, GOU YUN-XIAN and CHEN DE-QIONG We have recently completed our revision on Ostracoda of China, Part I: Mesozoic and Cenozoic non-marine ostracodes of China, published (in press). We continue our revision with Shi Cong-guang on Ostracoda of China, Part II: Paleozoic and Mesozoic and Cenozoic marine ostracodes of China—published.

JIANG XIAN-TING, LIN SHU-PAN, SHANG HUA, SHEN YI-XIN and QI XUE-FENG Current research topic: study of Carboniferous and Permian ostracodes from the western Tarim Basin and their biostratigraphy. We have completed our study of Paleozoic ostracode faunas from the eastern Junggar Basin and their application to stratigraphic correlation.

LI YUAN-FANG I have recently completed my study of ostracode fauna and environmental changes of past 17,000 yrs in western Tibet (in press).

PANG QI-QING I continue work on the Mesozoic and Cenozoic non-marine Ostracoda from north China. I am also working on the non-marine Triassic, late Cretaceous and Quaternary Ostracoda from Shanxi, Hebei, Henan and Beijing. A paper was completed in 1992: Middle Jurassic non-marine Ostracoda from the Xishuayan Formation in Yangyuan County of Hebei Province.
regions) and glacial-interglacial transitions in Europe are now nearing completion, as is work on the application of ostracods to sea-level studies.

Student project (Peter Kristiansen): The Eemian Interglacial in the western Baltic Sea; an interesting study involving a full sea level event during an interglacial.


FRANCE

Correspondent: J.F. Babinot

BERNARD ANDREU is working on (1) Toarcian from Quercy, France; (2) Late Tithonian to Aptian from Essaouira area, Morocco; (3) Late Cretaceous (Cenomanian to Santonian) of Aures, Algeria; (4) Messinian from Spain; (5) Recent from pond of Ayrolle, Aude, France.
Projects: Ostracode assemblages from the Cretaceous of Pyrenees, France and from the Late Cretaceous of Morocco.
Thesis supervision: M. Rossi (Marrakech Univ., Morocco) on Lower Cretaceous ostracodes from the Agadir and Essaouira regions, Morocco.

JEAN-FRANCOIS BABINOT is working on (1) Holocene to Recent ostracode assemblages from periphery environments in Mayotte Island (Comores), Chesterfield Islands and New Caledonia (Pacific); (2) Quaternary freshwater ostracodes from human sites in southeastern France (Nice area and Etang de Berre region); (3) Messinian crisis and carbonate platform environments from Morocco; (4) Contribution to the study of Timiriasevinae (with P. Carbonel, D. Danielopol and others); (5) Maastrichtian to Danian assemblages (Cretaceous/Tertiary boundary) from Majunga Basin, Malagasy Republic (with J.P. Collin); (6) Aptian-Albian from Venezuela: palaeobiogeographic implications (with J.P. Collin).

Long-term projects: (a) synthesis on Late Cretaceous carbonate platform communities with patterns of variability in ostracod species; report for ecozonal modelling and the study of ambient conditions and (b) Jurassic/Cretaceous boundary from southeastern France (Provence): ostracod diversity and sequence stratigraphy.

LUC BERTHOLON Thesis about Ruggolria group from West African shelves from Morocco to Angola. Implications of environment, genome and popualtional dynamics on morphological variability; applications for Lower Pliocene Moroccan assemblages.

ANNE-MARIE BODERGAT is working on (1) Distribution of ostracode species in Kagoshima Bay, Japan and (2) Lower Jurassic ostracodes from southwestern France (Quercy area).
Future program: chemistry of carapaces and ornamentation of freshwater ostracodes from Central Asia during the last climatic cycle, in tropical and subtropical areas (with F. Gasse and Ch. Fontes, Orsay Univ., Paris).

ERIC BRACCINI At the beginning of January, I joined S.N.E.A.(P) (Franch Petroleum Company), to succeed E. Grosdtdier, who is retiring June 1993. Our congratulations!
Research interests include (1) Lower Cretaceous biostratigraphy from Gabon and Paleozoic of
Kazakhstan (with E. Grozdidié); (2) Cenomanian to Santonian ostracodes from Tarfaya section (Morocco) (with W. Kunz, Tubingen Univ., Germany); project to give an OMZ scale using both ostracodes and benthic foraminifers; (3) Palaeoclimatology of Plio-Quaternary from Normandy, France (with P. Carbonel).

PIERRE CARBONEL is working on (1) Ostracodes and palaeoclimatology of continental areas, mainly in African deserts; (2) Calibration and testing of a transfer function for O$_2$ estimation at the oceanic bottom with Krithe and Parakrithe; (3) Global events at the Plio-Quaternary boundary in the North Atlantic area (with E. Braccini); (4) Ostracodes from Lake Tanganyika (with O. Ducasse); (5) Evolution of the Subfamily Tintaiaceae (with J.P. Collin, D. Danielopol, and others).

Thesis supervision: (a) Paula Cristina Silva-Ribeiro (Evora Univ., Portugal): ostracode assemblages from coastal and shelf areas of Portugal; (b) Luc Bertholon: study of Ruggieria from shelves between Morocco to Angola; (c) Francisco Ruiz-Munoz (Sevilla Univ., Spain): hydrology and hydrochemistry of rivers from southwestern Spain (Río Tinto, Río Odile) and their evolution before and during mineral resource exploitation.

GILES CARBONEL is working on computer program.

Research interests include (1) West African ostracodes of the Lower Tertiary (continuation), especially Mali. Correlation with faunas from the Maastrichtian of South America (with A. Bertels). A joint publication is planned for the next African Micropaleontological Colloquium. (2) Chemical composition of carapaces vs. genetic control (with A.M. Bodergat and her "staff").

Thesis supervision: E. Bouard: Quantitative biostratigraphy and computing benthic vs. planktonic microfossils.

JEAN-PAUL COLIN Ostracodes from the Lower Jurassic of Paris Basin and from the Lower Cretaceous of Aquitaine Basin.

Research activities: (1) Maastrichtian and Paleocene ostracodes from Madagascar (with J.F. Babinot) and Mali (Krachennikov Collections) (with Y. Tambareau); (2) Aptian non-marine ostracodes from Portugal (with C. Cabral, Lisboa, Portugal); (3) Callovo-Oxfordian ostracodes from Portugal (with C. Carapita, Lisboa, Portugal); (4) Revision of Mesozoic non-marine ostracodes from central Zaire; (5) Biostratigraphy of European Jurassic non-marine ostracodes; (6) Albo-Aptian ostracodes from Venezuela (to be presented with J.F. Babinot at Glasgow, 2nd European Ostr. Meeting, 1993); (7) Kovalyovskia project (Tintaiaceae) (with P. Carbonel and D. Danielopol).

SYLVIE CRASQUIN-SOLEAU Research interests include (1) Permian ostracodes from Harper Beds (British Columbia, Canada: systematics, palaeoecology (with M. Orchard, Geol. Survey Canada, Vancouver) and from Hydra (Greece); (2) Cladistics of Kboedencelacea (with P. Tassy, Paris); (3) Global reorganization of Permian ostracode assemblages with reference to current circulation (with F. Lethiers).


O.D.P. Program—Cretaceous ostracodes from Leg 122, Exmouth and Wombat Plateau: Ostracode taxa recorded into the Cretaceous occur in the South Gondwanan bioprovince. Late Cretaceous species were previously described in Australia. Publications in the "Proceedings O.D.P."

Non-marine Permian ostracodes—Lower Permian from Massif Central, France (with F. Lethiers and M. Renard, Paris); statistical studies, especially on the ontogeny and distribution of Whippelia carbonaria; affinities with North America. Permian of Morocco. A synthesis on Permian freshwater ostracodes has been presented recently (with F. Lethiers).

Projects: Tethyan Cretaceous ostracodes from Lower to Mid-Cretaceous of Central Tunisia; ostracodes and paleoenvironments from Late Cretaceous to Paleocene of Southern Atlas, Tunisia; Cretaceous ostracodes from Leg 143, Pacific.
ODETTE DUCASSE  Recent Cytherididae from Lake Tanganyika, East Africa Rift: systematics, biogeographic and bathymetric distribution, ecology, adaptation strategy (with P. Carbonel).

EMMANUEL GROSIDIER  "Manu" will retire June 1, 1993, after too long a career. He still holds certitude that ostracode studies will go on at Elf-Aquitaine, Pau. Recently, Eric Bracqini has been proposed as his successor.

CLAUDE GUERNET  Research interests include (1) Mediterranean area: ostracodes from the Eocene of Fayum region (Egypt), Paleogene of Caracava (Spain), and Pliocene of Patras (Greece); (2) North-European area: Paleogene of Paris Basin (preparation of a guidebook for the European Micropaleontological Colloquium); (3) O.P. sites from the Neogene of Central Atlantic.
Thesis supervision: M. Fernandez-Gonzalez: Foraminiferal and ostracode biogeography and ecology from recent Venezuelan shelf area.

FRANCIS LETHIERS  Research interests include (1) Devonian and Carboniferous ostracode faunas; palaeobiogeography and Palaeotethys; (2) Upper Devonian crisis with reference to ostracode faunas; (3) Permian freshwater ostracodes.

PIERRE MARMONIER  Study on the link between ecological strategies of ostracode species and their spatial distribution in the Rhone River floodplain (with A.M. Bodergat). Still working on recent freshwater ostracodes from Morocco (with B. Idbennacer) and Arizona, U.S.A. (with A. Boulton).

HENRI J. OERTLI  One week lecture on ostracodes at the University of Geneva, Switzerland: biology, (palaeo)ecology, practical use.
Continued abstracting of papers on Post-Paleozoic ostracodes for the "Zentralblatt fur Geologie und Palaontologie" (150 papers analysed in 1992).
Long term activities (with Ph.D. students of Geneva Univ.): Urgonian ostracodes from S.E. France, Aptian-Albian ostracodes of the Jura Mountains, (Eocene)-Oligocene ostracodes from Flysch-Molasse deposits of W. Switzerland and adjacent French areas.

JEAN-PIERRE PEYPOUQUET  Oxygen Minimum Zone: estimation of fluctuations (new methodology); applications using Late Cretaceous to Eocene deposits of Algeria (with E. Bracqini).
Ostracode assemblages from Antarctic (with Y. Tambareau).

YVETTE TAMBAIREAU  Research interests include (1) Eocene (Biarritzian) ostracode faunas from the southern Spanish Pyrenees; (2) Late Cretaceous and Paleocene ostracodes from Mali (Krachenfnikov collections) (with J.P. Collin); (3) Antarctic ostracodes (with J.P. Peypouquet).

JEAN VANNIER  Research interests include (1) Recent faunas--functional morphology, ontogeny, mode of life, bioluminescence, behaviour and ecology of myodocope and podocope ostracodes (with K. Abe, Tokyo)--Videa recording--Study will be extended to other crustaceans (Phyliderids, with P. Racheboeuf, Lyon), from Paleozoic to Recent. (2) Colonization of marine caves (Mediterranean Sea) by deep-sea organisms including ostracodes (with collaboration of Marseilles Univ. and Biological Station of Endoume, Marseille). (3) Paleozoic faunas--project on Paleozoic ostracods with preserved soft anatomy from the Devonian Carnic Alps (with K. Muller, Bonn and D. Walossek, Frankfurt, Germany). (4) Main trends in the evolving internal and external morphology of ostracodes over the last 500 million years. (5) Palaeobiogeography of Lower Paleozoic ostracodes from Baltoscandia, British Isles, Iber-Armorica and other areas of the North Gondwanian margin to test models of evolving oceans and oceanic water masses. (6) Silurian myodocope faunas from Europe and Morocco (with D. Silveter). (7) Lower Paleozoic faunas from South America (Argentina, Bolivia...) (with P. Racheboeuf, Lyon, and J.L. Benedetto, Cordoba Univ., Argentina). (8) Ordovician ostracodes from Belgium (with F. Tourneur, Louvain Univ.). (9)
Treatise—Chapters on systematics (Leiocopa) and methods of study are being completed. Treatise meeting (Palaeozoic). (10) Collaboration with Mark Williams (Leicester Univ.) at Lyon on Ordovician ostracodes from Oklahoma.

Papers are in press (J. Micropalaeontology, Stereo-Atlas of Ostracod Shells). Awarded a research fellowship from the Japanese-Deutsches Zentrum Berlin to study one year at Tokyo Univ. (K. Abe) on Recent and Lower Paleozoic ostracodes; starting from Oct. 93.

GERMANY
Correspondent: Dietmar Keyser

G. ARLT is continuing his work on Melofauna. He is especially interested in muddy areas of the Baltic Sea, which contain a high amount of sulphur.

G. BECKER continued (1) the revision of the Treatise, (2) the ecology and chronology of Middle Devonian to Lower Carboniferous ostracods of western and central Europe and (3) together with colleagues from Eastern Germany (K. Bartzsch, H. Blumenstengel, D. Weyer) studies on the Devonian/Carboniferous boundary in the Rheinsiche and Thuringische Schiefer Gebirge respectively. The Ph.D. of Thomas Jellinek, supervised together with H. Malz because of dealing with Recent ostracods (from Kenya), had been successfully finished. The Humboldt Fellowship of Mark Williams (announced in Cypris 10), however, had to be cancelled before its proper time.

H. BLUMENSTENGEL is working on the ostracods of the Thuringian Ecotype in the Devonian and at the boundary to the Carboniferous. Together with G. Becker he will study the fauna of the Saxothuringian and Rhenohercynian.

B. FOHRER is continuing her study of the Upper Carboniferous ostracods and foraminifera of the Kamic Alps.

P. FRENZEL is studying the Holocene and Recent ostracods of the Greifswald Bodden (Baltic Sea) and the adjacent coastal areas.

R. FUHRMANN is continuing his research on Quaternary and Recent freshwater ostracods. He is working at present at a locality near Zeltz (Sachsen-Anhalt) in Germany. This profile of the flood plain sediments of Holocene age contains about 45 ostracod and 110 mollusc species.

F. GRAMANN is continuing his work on Mesozoic faunas.

M. GRIGO has started research on well preserved Lower Devonian ostracods, having his first paper in press.

G. HARTMANN has finished most of his field work on the marine and freshwater littoral zone of the Arctic in Spitzbergen, although the work on the material will last for several more years. Especially interesting are the subfossil cores which have been taken. He is now busy in summing up the knowledge about ostracods of the Antarctic and is planning another research topic in the Antarctic waters. So another expedition is planned for end of 1993.

W. HANSCH is continuing his research on Silurian ostracod taxonomy, paleoecology, stratigraphy and paleobiogeography of Baltoscandia-Central Europe (Saxothuringia, Prague Basin).

J. HARLOFF is working with the Alfred-Wegener-Institute for Polar and Marine Research, P.O. Box
E. HERRIG continues his studies about taxonomy, paleobiogeography, biostratigraphy and paleoecology of Upper Cretaceous ostracods, especially from Pleistocene stratas and slumps.

I. HINZ-SCHALLREUTER continues research on Cambrian archaeocope ostracods mainly from Australia, but also from Europe, Morocco, Siberia and USA concerning taxonomy, phylogeny and systematic relationship, stratigraphy and paleobiogeography. She further continues her work on Cambrian ostracods for the revision of the Treatise on Invertebrate Paleontology, Part Q, Ostracoda.

H. JANZ pursues his work on Pleistocene freshwater ostracods and is now interested on the marginal ribs of Recent Ilyocypris-species and at the characterisation of the Miocene "Cypris risgoviensis".

E.K. KEMPZ is continuing his work on the "Cologne Database of Ostracoda". The publication of Volume 5 (=Bibliography B) of the series "Index and Bibliography of Marine Ostracoda" had to be postponed for several reasons but probably can be realized in 1993. The supplements to volumes 1-4 of the same series are also approaching the size to be considered for publication. All colleagues are asked to send reprints of their publications for inclusion in the database as soon as possible.

D. KEYSER is continuing his research on ultrastructural morphology. The study, together with P. Behrens and our French colleagues (Mme's Bodergat, Guillaume) about the element concentration in shells of Leptocythere is still pursuing. His cooperation with Dr. Aladloin from St. Petersburg was extended to the implementation of an ecosystem research program on the Aral Sea elaborated by Germany and UNESCO, which takes most of his research and spare time. Together with Ian Boomer and R. Whatley, Great Britain, he is studying the adherent material of ostracod shells in brackish waters of different heritage. Together with B. Briggs a taxonomic study of Pteroloxa, and a study of the frontal shell gland of Thalassocypris together with R. Maddocks are in progress.

R. KOCK has finished his study on the Antarctic Halocyprids. He is now interested in the usability of ostracods as paleoecological markers in the Arctic regions.

A. LIEBAU is proceeding with his research of the Cretaceous ostracods, especially in the Mediterranean.

H. MALZ feels damned to administrate ostracods rather than doing research on them: As the editor of "Senckenbergiana lehensis" he gets in touch with all kinds of fossils--Protozoa to Vertebrata; (Pre-)Cambrian to Recent--but the time spent on editing (which means reading, amending and preparing manuscripts for publication, checking proofs, advising and controlling the layout, as well as corresponding with the authors, the lithographer and the printer) requires a full time position which is not available from the distressing personal situation and the discouraging budget. At least some contact remains with the ostracods: research visitors and requests.

R. MATZKE-KARASZ is continuing work for her Ph.D. thesis on species of Scottia, Psychodomus, Cyclocypris and Mesocypris. She is looking forward to finishing this project in 1993.

N. MOSTAFAWI is currently working on the Neogene ostracods of the Aegean Islands. His topics in 1992: 1) Freshwater ostracods from the Upper Pliocene of the Island of Evia; 2) Upper Pliocene and Pleistocene ostracods of Peleponnes; 3) brackish and freshwater ostracods from the Uppermost Miocene of Thessaloniki (North Aegean).
E. PIETRZENIUK is working on Pleistocene freshwater ostracods.

P. SCHAFER is working on ostracods of the Tertiary of the "Mainzer Becken".

R. SCHALLREUTER has finished a monograph on mainly Early Ordovician ostracods from glacial erratic boulders (Geschiebe) of Westphalia. He continues his research on Ordovician ostracods from Australia, Siberia, South America and glacial erratic boulders from Northern Germany, and on Silurian ostracods from Germany. He also continues revision of the Holomorph and Binocicula for the new edition of the Treatise on Invertebrate Paleontology, Part Q, Ostracoda.

B. SCHAF has changed his employment from a governmental office to a research institute. He now has to develop new methods for the improvement of water quality in lakes. This includes the work on Recent ostracods. The book about the volcanic maar lakes is published. In 1992 he investigated the living and subfossil ostracods of Lake Arendsee in Germany (Sachsen-Anhalt). A publication is in preparation.

MICHAEL SCHUDACK studies the ostracods and charophytes of the Morrison Formation (Upper Jurassic of the western part of the USA) as part of an interdisciplinary and multistratigraphical project coordinated by the U.S. Geological Survey (Denver). Main topics are biostratigraphy (intraformational correlations as well as relative datations), paleoecology, and paleoclimatology.

ULLA SCHUDACK works on (1) Upper Jurassic/Lower Cretaceous nonmarine ostracods (taxonomy, ecology, stratigraphy) in the Iberian Ranges (Spain), and (2) a revision of the Upper Jurassic (Malm) ostracods of the Lower Saxony Basin, Germany. A stratigraphical "atlas" for NW Germany, in which all Upper Jurassic ostracod taxa are described, arranged in modern taxonomy, and documented by SEM photos, is in preparation.

J. SCHWARZKOPF continues his work on the ostracods of the Upper Cretaceous of north-west Germany, especially about their stratigraphical value and the quantitative ecological methods (triangular plots) in connection with the study of foraminifers.

H. UFFENORDE is working on the use of ostracods in the sequence stratigraphy of the NW German Tertiary. He started a study on Miocene ostracods from the scientific research well Niederochtenhausen, which is presently investigated by an international working group of the Regional Committee on Northern Neogene Stratigraphy.

F. ULCZNY will continue his work on the Tertiary ostracod assemblages of the Molasse.

I. ZAGORA and K. ZAGORA are interested in receiving Devonian literature. They are going on in their Devonian studies.

D. ZISLLER is interested in the ultrastructure of the reproductive system of ostracods. He is giving a short summary of his work.

GREAT BRITAIN
Correspondence: Ian Boomer

NIGEL R. AINSWORTH
Research interests: (1) biostratigraphy and paloaecology of Mesozoic ostracods of N.W. Europe; (2) use of ostracods as thermal maturation indices; (3) Pliocene to Recent ostracods from some carbonate mounds in the Porcupine Basin.

JOHN ATHERSUCH left BP in July, 1992 and formed a company called strataData Ltd. with two ex-BP colleagues, Paul Britton (software engineer) and Alan Higgins (chemostratigapher and conodont guru). Specialising in Biostratigraphic and Chemostratigraphic services (including ostracod work) to the oil industry and in biostratigraphic computing applications. A PC/UNIX database/chart plotting system (Stratabugs) will be released in 3Q 1993.

I published a paper on graphic correlation, with ostracod examples: Estimating the dispersion of biostratigraphic events in the subsurface by graphic correlation: an example from the Late Jurassic of the Wessex Basin, UK. I am working on editing contributions to the forthcoming BMS publication "A Biostratigraphical Atlas of British Ostracods" and writing the Carboniferous chapter.

RAY BATE Work in progress concerns the study of non-marine ostracods worldwide, but currently restricted to the Jurassic and Cretaceous of West Africa (Gabon, Congo, Angola), offshore Argentina, onshore Guyana, and Venezuela.

No papers published, but revision of the Middle Jurassic ostracod chapter for the Stratigraphic Index of British Ostracoda in progress with Lesley Sheppard.

IAN BOOMER I have begun a new contract at Aberystwyth studying The Evolution in Isolation of Ostracoda from Seamounts, from ODP Legs 143 and 144, Tertiary and Quaternary of the Pacific.

I am also involved in preparing for publication a taxonomic study of Quaternary/Recent ostracods from the Caspian Sea/Black Sea/Aral Sea area and would like to hear from anyone who has samples or reprints of relevance.

GRAHAM PETER COLES Current research interests: (1) Deep-sea Ostracoda, especially from the Atlantic Ocean; (2) evolution and diversity patterns in Cainozoic Ostracoda; (3) North Sea ostracod biostratigraphy; (4) Cretaceous-Tertiary ostracods from West Africa.


HUW GRIFFITHS Work on Late Devensian and Holocene freshwater faunas from north-western Europe continues, although work for Dept. of Archeology in Cardiff now completed and being written up. Now involved in a new (NERC funded) project utilising molecular techniques (PCR) and morphometrics to investigate evolutionary divergence in modern lacustrine populations of Candonia neglecta. Various other collaborations on-going (tufas, calcareous streams, Loch Ness and Loch Morar, Slovene cave faunas).

Last year was quiet, although managed a short and pleasurable visit to Koen Martens in Brussels (funded by the British Council; thanks to Marianne for hospitality!). This year will involve field work in the UK, Ireland, Scotland, Slovenia, north-western Europe and (hopefully) Macedonia and/or Albania (civil strife permitting!).

Hydrobiologia; (4) Griffiths, H.I., Rouse, A.J., and Evans, J.G., Processing freshwater ostracods from archaeological deposits, with a key to the valves of the major British genera: Circaea.

**JONATHAN A. HOLMES** Work on the palaeoecology and shell chemistry of late Quaternary non-marine ostracods from Jamaica is progressing well, with two papers in preparation. I am also an active member of a project titled SAHEL: Subsahara Africa, hydrogeology, environment, limnology which is funded by a grant to the University of Oxford from the N.E.R.C. TIGER (Terrestrial Initiative in Global Environmental Research) scheme. The aim of this project is to reconstruct the climate of the southern Sahel over the past 2000 years using multiple-proxy climatic data, including ostracods. I spent three and a half weeks during October-November 1992 collecting modern ostracods and sampling waters in northern Nigeria as part of this project. Lake sediment cores have now been taken from a number of key localities. These remain to be analysed. Work on ostracods also forms a key part of the project Proxy records of climate change in the UK, 2000-0 years B.P., which is funded by the N.E.R.C. TIGER initiative (Principal Investigator, Prof. F. Oldfield, Liverpool). I will be working on the palaeoecology and shell chemistry of ostracods from marl sediments collected from Lough na Shade in N. Ireland.


**DAVID HORNE** I continue to be involved in a variety of projects but most have been on the back-burner due to pressures of teaching and administration. I am currently revising the Purbeck Wealden ostracod biostratigraphy of England in preparation for the new Stratigraphical Index. In July/August 1992 Dan Danielopol and Ye Chunhui (Nanjing) spent time with us at Greenwich; a common interest was the taxonomy and evolution of the Timriaselvinae.


David Horne, Ian Slipper, and Nicky Johnson attended the International Cretaceous Symposium in Hamburg (Sept. 1992); they presented a joint poster on Cretaceous ostracod studies at the University of Greenwich and DH read a paper on Ostracods and the Cenomanian-Turonian Oceanic Anoxic Event.

**ALAN R. LORD** Research activity: (1) Australian Jurassic Ostracoda—continuing investigations with Dr. H. Malz (paper in press in Warmambool volume) and (2) Recent Ostracoda from oxygen-minimum zones off California and Oman.

Research student: Mr. S. Galoukas, *Ostracoda and Neogene environmental history of Cyprus.*

**ALICIA MOGUILEVSKY** I have successfully completed my Ph.D. entitled *Cytotaxonomic studies on Myodocopid ostracods.*

**MARCUS SAHM** continues work on Jurassic and Triassic ostracods from Syria in connection with the study of foraminifera.

**LESLEY SHEPPARD** Currently revising Middle Jurassic chapter for Ostracod Stratigraphic Index with Ray
STEPHEN TATMAN Current research is on (1) Lower Cretaceous Ostracoda from Alberta, Canada and (2) palaeoecology of ostracod assemblages from the Alberta Foreland Basin (Aptian/Albian).

In press: Tatman, S.J. and Whatley, R.C., Ecphysocythere, a new limnocytherid from the Lower Cretaceous of Alberta, Canada.

MATT WAKEFIELD Ph.D. awarded Ostracoda (Crustacea) of the Great Estuarine Group (Bathonian, Middle Jurassic), Inner Hebrides - Scotland. This work is now being written up as a Palaeontological Society Monograph. I am still interested in marginal marine to freshwater Ostracoda.

ROBIN WHATLEY Research continues into Cainozoic Deep Sea ostracods; ostracods, dysaerobia and relationship to sequence stratigraphy; Indo-Pacific shallow water Ostracoda; Evolution in Isolation on Seamounts; Palaeoecology, Shell chemistry; Ostracods and Global Warming; Bi-hemispherical faunas in the Mesozoic; Arctic and Antarctic ostracods; PCR studies of ostracod DNA; Evolution of Ostracoda; Ostracod taxonomy and phylogeny with reference to the Treatise revision.


IAN WILKINSON During 1992 I spent much time in writing contributions to the Biostratigraphical atlas to British Ostracoda, which is due to be published in 1993. Contributions include chapters on the Devonian with A. Gooday, Late Jurassic with R. Whatley, C. Maybury and A. Wood. I also carried out some work on the ostracods across the Portlandian/Purbeck boundary with Ye Chunhui (Nanjing), trying to find the elusive Jurassic/Cretaceous boundary in southern England and relating European associations to those in China. Other activities included on-going work on ostracods from the Alban of southern England; Aptian from several localities in the U.K.; and Quaternary of Hong Kong.


GREECE
Correspondence: Stellos Galoukas

STELIOS GALOUKAS I am working on my Ph.D. thesis (under the supervision of Prof. A.R. Lord, U.C.L., Unit of Micropalaeontology) concerning Neogene to Pleistocene paleoenvironments of the eastern Mediterranean, using ostracods form some sections of Cyprus.

Simultaneously, I am working (together with Dan Danielopol (Austria) and Valentina Hagek-Tadesse (Croatia) on a paper dealing with the palaeoenvironmental usefulness of Cystherissa lacustris Sars, from Pleistocene sediments of Geras Golf (Lesvos Island, Greece).

HUNGARY
Correspondence: Miklos Monostori

A. KORECZ works on Neogene marine, marine brackish, and limno-brackish faunas from Hungary.

H. KOZUR Since 1984, Kozur has been co-author of the ostracode Treatise, Mesozoic-Cenozoic part. He wishes to ask all colleagues to inform him about any new genera of this time.
I. MAGYAR works on Pannonian and Pleistocene ostracodes from Hungary.

M. MONOSTORI works on Eocene ostracods and their paleoecology in Hungary; Oligocene ostracods from Hungary and their paleoecology; Cretaceous marine and nonmarine ostracods from Hungary; Jurassic marine ostracods from Hungary; and Triassic marine and nonmarine ostracods from Hungary.

INDIA
Correspondence: S.C. Khosla

HARMEET BAGI has recently submitted her Ph.D. thesis to the Panjab University under the supervision of Prof. S.B. Bhatia. The thesis deals with the ostracode and smaller foraminiferal fauna of the Subathu Formation, Shimla Hills, Lesser Himalayas. The formation of the Himalayan Foreland Basin in which the Early Paleogene marine sediments (represented by the Subathu Formation) were deposited, was initiated in the Early Ierdan (Late Paleocene) times - an event which is directly related to the continent-island arc collision of India and Kohistan. Thirty six taxa of Ostracoda have been recorded which include 4 new species, namely, Stigmatocythere (Stigmatocythere) siddiquii, Loxoconcha (Loxoconcha) tambareauae, L. (Palmoconcha) guhai, and Paracytheridea khoslai, and 8 species which are being recorded for the first time from the Subathu Formation namely, Cytherella harudiensis, Schizocythere gujaratensis, Paijenborchella? enigma, P. longicosta, Neocyprideis bhupendi, Acanthocythereis styrnatoura (possibly reworked from older sediments), Uroleberis pamensis, and Novocypris? eucenanus. Palaeoecological interpretations based on ostracodes and associated fauna indicate that the beds of the Subathu Formation were deposited in a very shallow infralittoral pro-delta setting in the lower part and gradually replaced by a tidal flat environment towards the top.

SUNNY GEORGE I am continuing my Ph.D. programme on the systematics, biology, and ecotoxicology of freshwater ostracods with a research fellowship from the Council of Scientific and Industrial Research, Govt. of India. I visited the Belgian Royal Institute of Natural Sciences (Dept. of Freshwater Biology) Brussels from February to June 1992 and worked with Dr. K. Martens supported by a Scholarship from the Belgium Government.

In 1993, more stress will be given to biology and ecotoxicology. In biology, I will study the life cycle of selected taxa and try to develop mass culture techniques as a prerequisite for ecotoxicological studies. In ecotoxicology, many preliminary and basic experiments will be done in order to exploit the potential of ostracods to be used as living sensors of water and sediment quality and hazard assessment. Efforts will be taken to develop and standardize a suitable sediment monitoring test using these microcrustaceans and to propose a sediment management strategy.

I am extremely grateful to the Belgium Govt. for the scholarship, to Dr. K. Martens (Brussels) for his wholehearted help, support and cooperation, and to Dr. Luc Brendonck (Lab. for biological research in aquatic pollution, Ghent) for useful suggestions and providing important literature on sediment toxicity. My thanks are also due to Prof. Dr. K. Wouters (Brussels) and Dr. C. Melsch (Luxembourg) for many valuable discussions and encouragement.


S.C. KHOSLA worked on the ostracode fauna from the Eocene beds of Tarkeshwar, Surat-Broach region and recorded 20 taxa. On the basis of these ostracodes, he has supported a late Middle Eocene age for these beds. A paper to this effect has been submitted for publication in the Journal of Geological Society of India.

From February, 1993 he has joined Tribhuvan University, Kathmandu, Nepal on deputation for two
years under the Colombo Plan.

M.H. Mohammed has been awarded a Ph.D. on his thesis entitled A study of ostracodes from the Jurassic beds of Jhura Hill, Kachchh, India under the supervision of Khosla.

A.K. MATHUR has continued the study of marine ostracodes of calcareous marls of the Jogira Formation (Lower and Middle Eocene) and recognized 14 taxa. The samples came from a core of Palana area, Bikaner district, Rajasthan.

Mathur has also taken up jointly with Ravindra Kumar a study of marine ostracodes from the Katpur Formation (Subrecent) from the Porbandar area, Surashtra Coast, Gujarat and found a rich ostracode fauna, the identification of which is at hand.

M.A. MALIK The investigations of freshwater ostracodes continue. We have collected some specimens from different freshwater bodies of Jammu region and will be published in due course of time. The paper entitled Distribution and Ecology of Recent Ostracodes from Mansar Lake Jammu has been sent for publication.

Mr. Amarjit Singh Soothi is working on Recent and Quaternary Ostracodes of Jammu for his Ph.D. thesis. Mr. Ab. Gani Bhat has been awarded M. Phil. degree on the topic Distribution and Ecology of Ostracodes from some freshwater ponds of Jammu.

M.L. NAGARI I am continuing research on Lower Miocene ostracodes of Kachchh. Recently I submitted a paper entitled Early Tertiary Ostracodes from the Pondicherry Formation, Pondicherry for publication in the Geological Society of India.

V. RAGOTHAMAN Shalk Mohammad Hussain submitted his Ph.D. thesis on Recent Ostracoda from the Gulf of Mannar, off Tuticorin, Tamil Nadu under supervision of Ragothaman. He worked on the taxonomy, morphology, and ecological aspects of the ostracode fauna collected from the inner shelf sediments.

Another student, N. Srivastha, submitted his dissertation on Recent Ostracoda from the beach sands of Madras for his M. Phil. degree.

K.R. REDDI At present, the work is on the tip of the South Indian Coast, i.e. Arabian Sea, the Indian Ocean and the Bay of Bengal coasts. We have collected samples from midway between Trivandrum and Kanniyakumari on the west coast and it is up to Rameshwaram on the east coast to have an idea about the three different environments.

K. Srinivasan has been awarded a Ph.D. in June, 1992 on his thesis entitled Study of recent Ostracoda from the coastal and estuarine sediments of Chennayalpam-Kondurupalem East Coast of India.

PRATAP SINGH worked on Late Cretaceous and Early Eocene ostracods of the subsurface Upper Goru Formation (Late Cretaceous, Cenomanian), Parh Formation (Late Cretaceous, Turonian-Coniacian) and Khudia Formation (Early Eocene) encountered in a well drilled in the Jaisalmer Basin by the Oil and Natural Gas Commission and catalogued twenty species of Ostracoda. Out of twenty species, twelve species of Ostracoda are new to the literature and belonging to these genera: Brachycythere, Cytherella, Cytherelloidea and Veenia. Seven species are already known from the different basins of India and world. These are Cytherelloides parawebeni? Oertl (Upper Goru and Parh Formations) and Bairdia kutchensis Khosla, Bairdopila kalakotensis Singh and Tewari, Bythocythere mianica Tewari and Tandon, Cytherella protuberanti Lyubimova and Guha, Cytherelloidea guhai Khosla, Pontocythere sp., and Quadracythere avadhesh Singh and Misra (Khudia Formation). The data will be published in the near future.

A detailed study on the ostracods of the subsurface Khuila Formation is in progress. Twenty species of Ostracoda have been identified. The plan is to evolve an ostracode biostratigraphy for the Mesozoic and Tertiary sequences of the Jaisalmer Basin.
IRAN

H. BAHRAMIZADEH SAJADI is working on Neogene-Quaternary Ostracoda of the Caspian Basin. This study was conducted in part of the University of Minnesota during 1990-91. I am presently working on the Miocene Ostracoda of southwest Iran.

IRAQ

Correspondence: S.K. Khalaf

J.M.T. AL BASHIR is working on Cretaceous Ostracoda from south Iraq.

S.S. AL-SHEIKHLY is continuing his work on Recent, Tertiary, and Cretaceous Ostracoda from Iraq. An M.Sc. student has completed his thesis on Jurassic Ostracoda from Western Desert, Iraq. Mr. Wajih A.K. Al-Jumaily is a Ph.D. student working on Quaternary and Recent ostracods of the Mesopotamian Basin, under the supervision of Dr. S.S. Al-Sheikhly.

S.K. KHALAF is continuing work on Recent, Tertiary and Cretaceous Ostracoda from northern and southern Iraq. Work in progress: (1) Ostracoda from the Damman Formation (Eocene), Western Desert, Iraq, (2) on some Ostracoda from the Upper Cretaceous, NW Iraq, and (3) Upper Miocene Ostracoda from Basilha area, north Iraq.

ISRAEL

Correspondence: A. Honigstein, A. Rosenfeld

Amnon Rosenfeld and Avraham Honigstein are continuing work on Mesozoic-Eocene faunas of Israel. Honigstein will leave January, 1993, for a sabbatical in Cape Town, invited by Richard Dingle.


ITALY

Correspondence: Giuliano Ruggieri

G. BONADUCE, D. BARRA, S. ABATE and G. AIELLO are completing the systematics and the stratigraphical distribution of the species of the genera Argilloecia, Cytheropteron and Xestoleberis from the Plio-Pleistocene section of Monte S. Nicola (Gela, Sicily).

The study of a continuous drilling accomplished at Punta di Maiata (Cape Rossello, Sicily) in the complete Trubi Formation is in progress for systematics, biostratigraphy, and paleoecology. Bonaduce is completing a manuscript on the systematics of Mio-Pliocene ostracods from the Rifian Corridor (Morocco) with 24 plates.

A. Bossio is working on ostracodes as instruments for a stratigraphical, paleogeographical and paleoenvironmental reconstruction of Neogene basins in Tuscany and Apulia. Bossio collaborated in a number of papers on this topic.

M.L. Colalongo, G. Pasini and P. Miculan are working on Neogene to Recent Mediterranean ostracodes.

N. Pugliese is working on ostracodes from submarine cores and bottom sediments of the Antarctica (in collaboration with Bonaduce) and of Magellan Straits (in collaboration with Bonaduce and Russo), and from the Pliocene–Early Pleistocene sequence of Piacenza, N. Apennine (in collaboration with Russo).

G. Ruggieri and C. D’Arpa are still working on the marine ostracofauna from the Late Pliocene of Altaville (Palermo), and Ruggieri on Late Miocene ostracodes from different localities in Italy.

In press: Ruggieri, G., Gli ostracodi del genere Aurlia nel Miocene superiore di S. Giovanni in Galilea (Forli): Quad. studi e notizie St. nat. della Romagna, 2.

A. Russo is working on Neogene Mediterranean ostracods, particularly (in collaboration with Pugliese) from the Pliocene–Early Pleistocene Castelarquato sequence. With the collaboration of Pugliese, he is working on ostracodes from the Magellan Straits.

Japan
Correspondence: Takahiro Kamiya

Katsumi Abe is currently working on (1) evolutionary ecology of Vargula hilgendorfi; what is the ecological meaning of the bioluminescence, and when and how the species has acquired the luminous habit in its evolutionary history (collaboration with Jean Vannier, who will visit Japan again in October), and (2) morphometric analysis on some ostracodes from Tokyo Bay (collaboration with Richard Reymert, who visited Tokyo in early spring).

Ashraf Mohamed Tawfeek Elewa is a visiting scientist at Tohoku University from Geology Department, El Minia University, Egypt, and will stay at Tohoku University until October 1994. He has devoted himself to the Eocene ostracodes of Egypt and is particularly interested in the analyses of paleoenvironments, paleoecology, and the evolution of ostracodes.

Tetsuro Hanai continues research, working with Ryuichi Tabuki on the ostracode fauna of submarine caves in Ryukyu Islands.

Namiko Hino is studying at Louisiana State University to complete her M.S.

Sin-ichi Hiruta is working on systematics and biology of interstitial animals and myodocopid ostracodes.


Noriyuki Ikeya is working on (1) speciation of Cytheropteron group from the western Pacific (with H. Matz), (2) application of Neogene ostracodes to paleoclimatology of the Pacific, Atlantic, and Arctic oceans (with J.E. Hazel and T.M. Cronin), and (3) speciation of marine and brackish water taxa.

Graduate students: Naohiko Sata (Master student) finished his thesis "The intraspecific relations of the genus Spinileberis Hansi, 1961. Chihiro Suzuki (Masters student) completed her thesis titled "Phylogenetic study of the genus Trachyleberis (Ostracoda) from Japan."
TOSHIAKI IRIZUKI is working on (1) Miocene cryophilic ostracodes in the northern Pacific and (2) the phylogeny of hemicytherid ostracodes.

KUNIHIRO ISHIZAKI is engaged in paleoenvironments and related waxing and waning of ostracode faunas in the late Cenozoic and is also interested in Cretaceous ostracode faunas.

HIROMITSU ITO is studying ecology and biogeography of Japanese recent ostracodes.

YASUHIDE IWASAKI is interested in the ostracod ecology, especially on intertidal species of Ariake Kai and Yatsushiro Kai, westem Kyushu, Japan.

TAKAHIRO KAMIYA is working on (1) Plio-Pleistocene ostracode faunas in the Sea of Japan related to paleoclimatic change, (2) speciation of ostracodes with special attention to heterochrony, (3) Pliocene ostracodes of south Florida, U.S.A. (with T. Cronin and W. Allmon), and (4) oxygen isotopes of ostracode carapaces.

TOMOHIDE NOHARA is working on (1) ecology of ostracodes from the moat of a coral reef off Sesoko Island (with R. Tabuki) and (2) deep-water ostracodes from cores (Pleistocene-Holocene) collected off Miyako Islands.

ICHIRO OKUBO is studying the fresh water ostracodes from Japan.

ROBERT ROSS took a position at Shizuoka University in October, 1992 after two years of working on carbon cycle modeling in Kiel, Germany. He is resuming his studies on Indo-Pacific bezoconchid evolution and biogeography.

RYUICHI TABUKI is continuing work on ecology and taxonomy of ostracodes from the Sekisei-sho area, the largest coral reef in the Ryukyu Islands, mainly collected by SCUBA.

AKIRA TSUKAGOSHI is working on (1) heterochrony on carapace morphology, (2) taxonomy and zoogeography of Leptocytherinae and Schizocytherinae, and (3) brackish-water fauna.

MICHIKO YAJIMA is working on Recent and Miocene Trachyleberis, and describing Miocene Ostracoda from Miyazaki and Kamikoani in Japan.

MICHIAKI YUMOTO is studying the ultrastructure of carapace in podocopid ostracodes for his Ph.D. program.

BAO-CHUN ZHOU has just finished his doctoral thesis this January entitled Ostracode fauna in the Pacific off southwest Japan. In this work he investigated six areas and described a total of 192 species from the depths of 20-1600 m. Based on the geographic distribution of ostracodes, he divided three marine climatic zones in the Pacific side of Japan, and concluded that geographic gradient in the change of species composition is controlled by water temperature. He illustrated that the magnitude of post-mortem transportation is distinctly different between the areas. He has also revealed the correlation between the preservation condition of ostracode valves and mud content of substratum. He is now looking for a postdoctoral position in China.
JORDAN
Correspondent: S.H. Basha

S.H. BASHA is conducting a study On the contact between Turonian and basal Senonian and deals with Ostracoda and Foraminifera in the area of north-central Jordan.

In press: On the Triassic-Jurassic microfauna from subsurface Triebel borehole, Risha area, NE Jordan: Revista Española de Micropal., v. 24, no. 1, pl. 5

An M.Sc. thesis was recently completed, entitled Campanian-Turonian ostracodes from north and central Jordan.

LUXEMBURG
Correspondent: Karel Wouters

CLAUSE MEISCH is continuing his work on systematics and geographic distribution of Recent freshwater ostracods of Europe.

Papers in press: (1) On a collection of ostracods from the Canary Islands (with Nico Broodbakker), (2) A taxonomic revision of Cypridopsis brincki (with T. Petkovski and K. Wouters), (3) On ostracods collected in a reservoir (Mamilla Pool) in Jerusalem (with K. Wouters and R. Ortal).


MACEDONIA (MAKEDONIJA)

T. PETKOVSKI Current work in progress: Continuing work on the Recent Ostracoda of Macedonia. Redescriptions of some insufficiently known species and description of several new species.

Topics of general interest: Taxonomy of Recent freshwater Ostracoda from Balkan area.

MEXICO
Correspondent: Ana Luísa Carreno

ANA LUISA CARRENO Current research activities: (1) Paleogene deep-water ostracodes from Baja California Sur with T.M. Cronin. (2) The project concerning Neogene ostracodes with PEMEX continued. The main objective during 1992 was focused on the recognition of ostracode associations present in operative drill holes, and its correlation with planktonic foraminifers, in order to establish tentatively a biostratigraphic zonation (with Olga Guadalupe Castilho Zutit, Romeo Javier Castillo Domínguez, Jaime Cobos Flores, Elizabeth Verdejo Martínez). (3) I was involved in the study of several Cretaceous-Tertiary sequences in order to find possible evidence that supports or not, massive extinctions produced by the effect of the meteorite impact that supposedly crashed in Yucatan, known as Chixchulub crater. (4) A post-Miocene ostracode study from Pelotas Basin, Rio Grande do Sul, Brazil, will be undertaken (with José Carlos Coimbra).

Submitted paper: Carreno, A.L. and Cronin, T.M., Middle Eocene Ostracoda from the Peninsula of Baja California Sur, Mexico: Jour. Micropaleontology.

Paper in progress: Deep water ostracodes from the Tepeate Formation, Baja California Sur, Mexico (with T.M. Cronin).
MARIA LUISA MACHAIN-CASTILLO and RAUL GIO-ARGAEZ Current research interests: (1) Quaternary ostracodes from the Mexican seas. At present we are compiling a monograph of the Gulf of Mexico ostracodes from the U.S. border to Yucatan, and working on the Pacific distribution between the Gulf of California and the Guatemalan border. (2) Tertiary ostracodes from the Gulf of Mexico Coastal Plain. (3) Lacustrine ostracodes from Mexico.


THE NETHERLANDS
Correspondent: Dick van Harten

MARTIN BLESS continues work on ostracodes from the Carboniferous of Algeria and the Late Cretaceous of the SE Netherlands and NE Belgium and their biostratigraphic and paleoecologic aspects.

WILLEM VAN DEN BOLD continues working on his synopsis of the Neogene and Quaternary ostracodes from the Caribbean.

DICK VAN HARTEN is spending relatively more time on the brackish-water realm. Experiments are in progress to culture and breed Cypridopsis torosa. The first results look promising and will be reported shortly. Co-authored by Leendert Witte, he completed a manuscript on the relation of sea-level change and evolution using shallow marine ostracodes as a prime example.

THEO LISSENBERG is working on Jurassic and Lower Cretaceous ostracodes from the southern part of the Central North Sea Graben and the westernmost part of the Lower Saxony Basin. Jointly with Witte, he will publish an Upper Jurassic ostracode stratigraphy for the Central North Sea Graben later this year.

HERMAN SCHUURMAN is shifting his attention from Upper Cretaceous ostracodes to Tertiary foraminifers.

LEENDERT WITTE finished his thesis on West African shallow marine Ostracoda and their biogeographical relationships, which he will publish before long. The Jurassic and Cretaceous ostracodes from the North Sea area and Western Europe are his main concern professionally.

NEW ZEALAND
Correspondent: Kerry Swanson

WILMA BLOM has taken up the position as ‘Port of Tauranga Research Fellow in Marine Ecology’. This is a 4-year contract position examining the effects of a large-capital dredging programme on the biota of the Tauranga Harbour. Although a significant part of the research effort is focused on molluscs, polychaetes, and amphipods, Wilma still manages to spend a little time looking at ostracods.

STEPHEN EGAR is completing a paper on myodocopid/cladocopid ostracods from Wellington Harbour. Work on podocopid ostracods from that harbour also continues. He hopes to commence work on freshwater/marine Plio-Pleistocene assemblages soon.

KERRY SWANSON is hoping to finish his thesis on Quaternary ostracods from eastern Tasman Sea in May 1993. He has continued his work on climate change in the last 100,000 years. Results of a study using ostracod dissolution as a palaeoclimatic investigative tool will be published in "The Evolution of the Tasman Sea Basin", proceedings of the 1st Tasman Sea Conference, November 1992, Christchurch. The editors (of which Kerry is one) are making a concerted effort to see this volume published before the end
of 1993. Kerry has also just finished another punculd collecting expedition and now has the largest collection of punculids in the world!—30 specimens. The bulk of these will be sent to Lawrence Abele and Trish Spears (Florida State) for DNA work, the remaining specimens will be used by Kerry for backscattered electron microscopy. A seasonal sampling programme has now been initiated so that by the end of 1993 a lot more should be known about the private lives of punculid ostracods.

NIGERIA
Correspondent: E.C.C. Okosun

E.A. OKOSUN I am working on Cretaceous and Tertiary ostracod biostratigraphy of the Niger Delta, Nigeria.


NORWAY
Correspondent: Ole Bruun Christensen

OLE BRUUN CHRISTENSEN My investigations on ostracods are not more intensive than those on other groups of fossils, recognized in the Norwegian wells.

Ole Bruun Christensen works on Mesozoic ostracods from the North Sea-Barents Sea areas; Magne Løvfeldt works on Cenozoic ostracods; Jon-Arne Snell works on zoology; and Nils Spjeldnaes works on Paleozoic ostracods, paleoecology.

POLAND
Correspondent: Janina Szczechura

WIESLAW BILAN passed away on September 7, 1992. Great pity that he could not realize his interesting studies on the Quaternary ostracods of central Poland.

JANUSZ BLASZYK had severe heart-failure at the end of 1991, and therefore in 1992 he decided to retire. He promised, however, to finish all his formerly enterprised (started) works.


TADEUSZ NAMIOPTKO wants to continue studies on the lake profundal ostracods of NE Poland.

[In press: (1) Namiotko, T., Rare and little-known Ostracoda found in deep lake habitats in NE Poland: Proc. Symposium on Glacial Relict and Rare Crustacea, Gdynia 1992; (2) Namiotko, T., Wniewska, B. and Milosek, A., Changes in the ecological state of Chancza lake (NE Poland) during the last fifty years with special emphasis on profundal Ostracoda: Pol. Arch. Hydrobiol.; (3) Sywula, T. and Namiotko, T., Ostracoda, in Checklist of animals of Poland, IV (ed. J. Razowski); (4) Namiotko, T., Sell, J. and Zajaczkowski, M., Crustacean species new of Spitsbergen with notes on polymorphism and the subofossil preservation of Cytherissa lacustris (G.O. Sars): Polar Res.]

MARIA NEHRING-LEFELD is still involved mostly with conodonts but collects the early Palaeozoic ostracods from borings from NE Poland and expects to study them in the nearest future.
EWA OLEMPSKA is continuing her research on Devonian/Carboniferous ostracodes from the Holy Cross Mountains, especially taxonomy and stratigraphy of Upper Devonian/Lower Carboniferous entomozoaceans. She finished a paper *An ostracod assemblage from latest Visian shales of the Cracow area*, which will be published at the beginning of 1993 in *Acta Palaeontologica Polonica*.

JOLANTA PARUCH-KULCZYCKA is working on foraminifera and ostracodes of the Middle Miocene of the Carpathian Foredeep.

JERZY SELLI is involved with the comparative studies on morphology and genetic structures of the glacial relicts of the Baltic Sea (mostly *Cyprinitus salinus*).


TADDEUSZ SYWULA collaborates with colleagues on Recent freshwater ostracodes (with T. Namlotko and J. Selli) and intends to conduct the comparative research on morphology and genetic structure of *Heterocyclops forbyana* and *Paracyprideis fennica*. He also hopes to finish his (similar) studies (together with R. Whatley) on *Cyprideis torosa*.

JANINA SZCHZECHURA is working mainly on the Middle Miocene ostracodes of the Carpathian Foredeep. Preliminary report will be presented during the 2nd European Ostracodologists Meeting in Glasgow. The recognized biostratigraphic distribution of ostracodes in the studied Badenian strata in the Polish part of the Carpathian Foredeep allowed her to verify and then to question to some extent, the so far stated biostratigraphic meaning of ostracodes for the Middle Miocene beds of the Central Paratethys. A paper prepared for press will appear in *Acta Pal. Pol.* in 1993.

JANINA SZTEJN works on the Upper Jurassic/Lower Cretaceous ostracodes of central Poland (Kujawy area).

BARBARA ZBIKOWSKA Devonian and Carboniferous ostracodes of Poland are still the main objective of her study.

In press: Matyja, H. and Zbikowska, B., Stratigraphy of the Lower Carboniferous in Western Pomerania (NW Poland): Annales Societatis Geologorum Poloniae, 63, Cracow.

SAUDI ARABIA
Correspondent: Ali Al-Furaih

ALI A. AL-FURAIH My current work is writing a book for undergraduate and graduate students taking courses in Micropalaeontology.

SPAIN
Correspondent: Julio Rodriguez Lazaro

JORGE CIVIS LLOVERA  Current research includes (1) continental ostracodes and (2) Neogene from the Duero and Guadalquivir Basins.

CARMEN FERNANDEZ ARIAS  Masters thesis about the lower Domerian to middle Toarcian Ostracoda from the Iberian Ranges; 45 species of Myodocopida and Podocopida have been described; they present a mixed boreal-tethysian character. Projects: doctoral thesis on the same subject.

Mª LUZ GONZALEZ REGALADO and FRANCISCO RUIZ MUNOZ  Research interests include: (1) Neogene marine; (2) Holocene-Recent marine and transitional; (3) Guadalquivir Basin (SW Spain); (4) Taxonomy, biostratigraphy, ecology, environmental geology.

RODOLFO GOZALO  Current research includes (1) Devonian ostracodes from the Iberian and Cantabrian Ranges; (2) Cambrian ostracodes from the Ossa Morena; (3) New Ostracoda from the lower-middle Cambrian of the Iberian Ranges (with Dr. Sanchez de Posada).

ANA PASCUAL CUEVAS  Current research includes (1) Recent Ostracoda of the Biscay Gulf estuary—ecology, pollution; (2) North Atlantic Quaternary ostracodes (Project ECOMARGE); (3) Quaternary ostracode assemblages of the continental shelf of the Guianas.

JULIO RODRIGUEZ LAZARO  Current research includes (1) Paleoeceanographic analysis in the Upper Cretaceous to Paleogene of the Basque-Cantabrian Basin (N. Spain); (2) Ostracodes and the oceanic anoxic events in the Upper Cretaceous of the Basque-Cantabrian Basin; (3) Comparative analysis of British and Spanish Upper Cretaceous (Cenomanian-Turonian) ostracodes (with D. Hone).

Projects: (1) Evolution of the Timiriaseviiinae (collaboration in the study of the genus Kovalevskaia) (with P. Carbone and others); (2) Miocene non-marine ostracodes from the Zaragoza Province (with P. Anadon, CSIC Barcelona, and others).


LUIS SANCHEZ DE POSADA  Current research includes (1) Devonian and Carboniferous ostracodes from Spain. Global project on Paleozoic basins. (2) Taxonomic studies on Kirbycopina and Hollinmorpha from the Carboniferous of Leon (NW Spain). (3) Cambrian ostracodes from the Ossa Morena. New Ostracoda from the lower-middle Cambrian of the Iberian Ranges (with R. Gozalo).

THAILAND
Correspondent: Kasana Pitakpaivan

KASANA PITAKPAIVAN  I am continuing my Ph.D. dissertation on Ostracoda from the latest Cretaceous and earliest Tertiary of the Gulf Coastal Plain: biostratigraphy, paleoenvironments, and systematics, under the supervision of Dr. J.E. Hazel. Recently I have recognized pseudomorphs of microtektites in the
samples from K/T sections in Alabama and Mississippi, and made a presentation at the 1992 annual meeting of the Geological Society of America.

TUNISIA

**MONCEF M'ZOUGH** I am working in a routine biostratigraphy of wells drilled in the Gulf of Tunis (offshore), and I am preparing my thesis on *Biostratigraphy of Upper Miocene Series in wells of Tunisia offshore*. I pay particular attention to ostracodes from Serruvillian, Tortonian, and Messinian.

TURKEY

**Correspondent:** Nuran Sonmez-Gokcen

**S. ALTINSAÇLI** is working on the Terkes lake research project on the ostracode fauna.

**D. GULEN** is working on a Turkish Research Council Project related to the recent ostracode fauna of Turkey.


**A. NAZIK** has a research project on *Stratigraphy and micropaleontology of the Darende-Gurun Tertiary sequences*.

**U. SAFAK** is working on the University Research Project related to the *Stratigraphy and micropaleontology of the Tertiary sequences of Tarsus-Adana area*.

**N. SONMEZ-GÖKÇEN** is working on the Northeast Mediterranean drilling samples and Western Anatolia coal bearing samples by examining the ostracode and foraminifer fauna.

Students: Murat Coskun has compiled and submitted the M.Sc. thesis on the *Ostracode stratigraphy of the Neogene sequence of southern Sarkoy-Balikesir*.

**C. TUNOĞLU** is working on (1) Ostracode micropaleontology and environmental analysis of Pliocene sequences of Burdur area and Sivrihisar area of central Anatolia, (2) Ostracode association of Neogene sequence of Konya/Iğdır area, (3) Marine and transitional ostracode fauna and their biostratigraphy of Neogene sequence of Kas-Fethiye area, southwestern Turkey.

UNITED STATES

**Correspondent:** Elisabeth Brouwers

**JEAN M. BERDAN** I am still working on the leperditicopids, with Anna F. Abushik, for the Treatise revision, but have spent most of my time reviewing manuscripts for colleagues. I attended the TIPPO meeting of Treatise authors in Lyon, France.

**ELISABETH BROUWERS** is presently working on (1) Pliocene reconstruction of climates in northern Alaska; (2) modern shelf ostracodes of the western Beaufort Sea (with W. Briggs); (3) Paleocene-Eocene sediments of Balochistan, Punjab, and Sindh Provinces, Pakistan; (4) modern freshwater ostracodes of Bangladesh; (5) middle Eocene-early Oligocene marine ostracodes of Abu Dhabi; (6) Miocene-Quaternary ostracodes of Abu Dhabi; (7) modern ostracodes from the Gulf of Alaska; (8) modern nonmarine and
nearshore marine ostracodes from Vitus Lake, Alaska; (9) Paleogene ostracodes from Washington and Oregon.

I am also putting considerable efforts and time into Outreach programs designed to (1) help elementary and secondary school earth science teachers, both through short lectures in schools and through a formal week-long course this summer, (2) work with high school and college volunteers interested in science, and (3) work with elementary students from inner city schools learn scientific principles.

CLAIRE CARTER is currently working on ostracodes from cores of Butte Valley (northern California) and Owens Lake (southern California) for the U.S. Geological Survey Climate program.

ANDREW COHEN I have been collaborating this year with Koen Martens (Royal Belgian Institute of Natural Sciences) and Jean Jacques Tercelin on a major investigation of the impact of sediment pollution (from deforestation) on the endemic fauna of Lake Tanganyika, Africa. It is looking like ostracodes may turn out to be extremely valuable bioindicators of this type of pollution, as many of the rocky littoral and sublittoral species are apparently quite sensitive to excess quantities of sediment. We will also use the fossil record of ostracodes over the past several thousand years to track changes in biodiversity as a response to changes in agricultural practices and clearcutting in the region. Lisa Park will be doing a Ph.D. dissertation with me on the endemic Gomphocyclothere species swarm as part of this project. Tina Wells will also be doing research on the conservation aspects of this project in my lab.

Closer to home, Manuel Palacios, Brian Blank and I are continuing our work on ostracode paleohydrochemistry of Summer Lake, Oregon. This past September, in collaboration with Rob Negri (Cal. State Bakersfield) and Peter Wigand (Desert Research Institute-Nevada), we collected a series of long cores (up to 35 m) from Summer Lake, which we will be analyzing this year for high resolution paleoclimatological reconstructions.

Owen Davis, Clem Chase, Roy Johnson (also of Univ. of Arizona) and I have just been funded by NSF to begin a multi-year investigation of the paleoecology/paleoclimatology of the Great Salt Lake, using cores, cuttings, and multifold seismic data collected by AMOOC during their exploration work on that lake during the 1970s. The cores and cuttings from 13 wells drilled by AMOOC extend down to the structural basement of the lake (over 4 km) and should give us a picture of the lake’s evolution during the Neogene.

During the spring of 1993 I will be on sabbatical working at the Institute of Earth Sciences in Barcelona, Spain with Pere Anadon, looking at some of the Spanish Tertiary lake basins, with an eye to reconstructing paleoecologies and paleoecology.

ANNE C. COHEN I am continuing research with Dr. James Morin (UCLA) on phylogeny of the Cypridinidae (Myodocopida) utilizing morphological, behavioral (biofluorescent sexual displays), and molecular (work by student Lisa Torres) characters. We are now completing (1) a phylogeny of the entire family Cypridinidae, based particularly on copulatory and lip characters, and (2) the description and phylogeny of a new genus. Our description of another new genus Kornickeria and a model of the cypridinid copulatory limb is in press in the Biological Journal Linnean Soc.

THOMAS CRONIN Current research focuses in 3 general areas. 1) Japanese Neogene/Quaternary paleoceanography using ostracodes (with N. Ikeya, T. Kamiya, A. Tsukagoshi and others). 2) Deep Eurasian Basin Arctic Ocean ostracodes from ARCTIC’91 Polarstem cruise, relationship with North Atlantic and Canada Basin, use in deep and intermediate water mass paleoceanography (ostracode work with R. Whatley, R. Jones, T. Holtz, B. Briggz; overall paleoceanographic study with scientists from Alfred Wegener Institute in Bremerhaven, GEOMAR in Kiel, and University of Bremen). 3) Pliocene paleoceanography using ostracodes and other groups, part of USGS PRISM project (with E. Brouwers, R. Whatley, many other non-ostracode specialists). Includes shallow and deep water work, the former in Panama, Costa Rica, Virginia, Florida, the latter in DSDP/ODP sites 607, 610, 552, and others. Efforts are aiming at high temporal resolution studies using ostracodes in well-dated sections for paleotemperature and
Brandon Curry I have been working on the completion of my dissertation on the paleohydrology of several temperate, shallow lakes in Illinois. The research includes interpretation of trace element and stable isotope profiles of fresh-water ostracodes. While concentrating on completing the dissertation, I am looking into short term (~6 mos.) post-doc positions in which I can extend my studies of paleohydrology, and would appreciate hearing about any " leads". I should be available this summer.

Christopher Dewey I am still working on the Carboniferous of the Black Warrior basin of Alabama and Mississippi, the eastern Coal basin of Kentucky, and the Permian of New Mexico. My work is focussing more and more upon trying to sort out the species taxonomy of late Paleozoic ostracodes, much of which requires archival studies. I currently have three students working on master's degrees and expect two of them to graduate in this academic year. Pete Kohn is finishing a thesis on the Wolfcampian ostracodes from the Hueco Formation of New Mexico, Jim Stell is working on the Breathitt Formation in Kentucky, and Greer Smith is finishing her subsurface work in the Black Warrior basin in Alabama and Mississippi. Bill Olson has recently graduated and the title of his thesis is The paleoecology, taxonomy and biostratigraphy of ostracods from the Pennington Formation (Chesterian: Mississippian) in northeast Alabama, Mississippi State University, unpubl. M.S. thesis, 194 p.


Dorothy Jung Echols I have only done a couple of projects this year and, although not engaged in any ostracode research as such, did find the "critters" helpful in the environmental interpretations of the biostratigraphic analysis in the Gulf Coast.

Kenneth Finger In 1992, I completed my long-term research on California Miocene calcareous microfauna (primarily Foraminifera) with several publications. Although I was also engaged in projects on strontium isotope chronostratigraphy in Papua New Guinea and sequence stratigraphy in the East Newfoundland Basin, Chevron decided to withdraw support for all of these exploration techniques during their latest reorganization and manpower reduction. Hence, I was involuntarily let go and my research activities have ceased indefinitely. I am now part-time teaching at two junior colleges while actively seeking a full time position there and elsewhere.

I attended the 11th ISO in Warmambool, where I presented an overview of strontium isotope chronostratigraphy and chaired one of the technical sessions.

Richard M. Forester During 1992, Kelly Conrad and I collected ostracode and water samples from 25 lakes located along a transect from Baton Rouge, Louisiana through eastern New Mexico. A number of taxa, such as Cytheridella ilosvayi, only known, to my knowledge, from the Caribbean or southern Florida, have turned up in places like northwestern Louisiana. Cyprideis salbrosa has turned up in freshwater lakes and hypersaline springs. Initial work on late Pleistocene and early Holocene ostracodes from various localities in southern Nevada was begun. The USGS and the Desert Research Institute (Reno, Nevada) will be taking a number of cores, up to 30 m in length, during April of this year. The core samples will be studied for ostracodes, mollusks, microvertebrates, mineralogy, isotope and trace metal geochemistry. Companion studies will be done with plant macrofossils and beetles collected from packrat middens. Our group anticipates being able to estimate average values of precipitation and mean annual air temperature
from the collective fossil time series. A preliminary reconstruction of climate parameters using ostracodes has been made and I presented the results at the OECD/NEA workshop held in Paris during November.

JOHN E. HAVEL Along with teaching courses in biostatistics, limnology, and population ecology, I have an active research program in ecotoxicology, the population biology of ostracods, and the ecology of invading species. Two papers on ostracodes are in print for 1993: a paper on the clonal diversity of parthenogenetic ostracode (Proc. 11th Internat. Symp. on Ostracoda) and a paper on selective predation by larval damselflies (Freshwater Biology). The latter paper, coauthored with Jason Link and John Niedzwiecki, shows that freshwater cyprids are much more difficult to eat than similar-sized cladocerans. Along with an undergraduate student, Barrie Talbott, I recently presented a paper at the annual meeting of the Society of Environmental Toxicology and Chemistry on our work developing a chronic bioassay test with Cyprinotus incongruens. Several graduate students are currently working in my laboratory on ecotoxicology projects, supported in part through funds from the U.S. Geological Survey.

JOSEPH E. HAZEL I currently have four graduate students working on ostracodes. Namiko Hino, from Japan, is about to defend her M.S. thesis. She undertook a morphologic, systematic, and distributional study of the genus Buntonia in the Paleogene of the American Coastal Plain. She has delineated some new species and species complexes, and discovered that Buntonia howei (Stephenson) is not a Buntonia, but is akin to Leguminocycloides. Kasana Pitakpalvan, from Thailand, is getting closer to finishing her Ph.D. dissertation, which is a high resolution biostratigraphic study of events, emphasizing ostracodes, around the K/T boundary in the eastern Gulf Coast. In the study she has discovered microtektites at the K/T boundary in Mississippi and Alabama. Kasana and I have papers in press on the ostracodes of the Arkadelphia Formation (Maastrichtian) in Arkansas, and the Gospud and Moodys Branch Formations (Eocene) in Alabama.

New Ph.D. student, Andrei Tudoran, from Romania, is working on Jurassic and Lower Cretaceous ostracodes from Romania. This may evolve into a dissertation topic. New Ph.D. student Pam Borne, from Texas, is in the process of deciding on a Ph.D. topic. Pam did a research project for me on a brackish water middle Eocene ostracode assemblage from Texas (Laredo Formation) this past semester. This will probably lead to a publication.

I have page proof on my paper, with former postdoc Takahiro Kamya, on the Maastrichtian ostracodes of Jamaica. It should be published any day now by GSA. A short paper is in press (authored with Hino, Pitakpalvan, and Professor L.N. Glawe of Northeastern Louisiana University) on the quantitative biostratigraphy of the Wilcox Group (Paleocene and lower Eocene) of Louisiana. It emphasizes ostracodes and both benthic and planktic forams.

ROGER KAESLER continues work on late Paleozoic ostracodes, especially from the Midcontinent of North America. My students and I are especially interested in paleoecology, ontogeny, heterochrony in evolution, and the nearshore environment. George Hecht, whose doctoral committee I chair, is studying changes in nearshore ostracode faunas with long-term change of environment in the Late Carboniferous and Early Permian.

MERVIN KONTROVITZ Research in progress includes (1) taphonomy of microfossils; (2) shell strength, with Roger L. Kaesler; (3) Ostracoda, Nile River delta, with Jerry Marie Slack (M.S. candidate) and Daniel J. Stanley; (4) Tertiary ostracodes, eastern China, with He Jun de; (6) ocular structures, with Slack.


LOUIS S. KORNICKER I am presently working on myodocopids in the following areas: (1) Northern
Australian continental slope; (2) Northern Australian shallow water; (3) Madagascar; (4) Lava tubes in the Canary Islands.

**PAUL R. KRUTAK** The paper that Raul Gia-Argaes and I submitted some time ago to the Proceedings volume of the 1991 *Convencion Sobre la Evolucion Geologica de Mexico y Primer Congreso Mexicano de Mineralogia*, Pachuca, Hidalgo (with Raul Gia-Argaes), "Ecology and Distribution of Dominant Ostracode Taxa in Modern Carbonate Sediments, Northeastern Yucatan Shelf, Mexico": Revista, Instituto Geologia, Universidad Nacional Autonoma de Mexico, 40 p., 9 text-figs., 5 tables, 6 plates, is still in press. It will eventually be published as a special number of the Revista.

**KENNETH H. LISTER** No current ostracode research.

**ROBERT LUNDIN** I am continuing work on the Th Americas and other topics for the Treatise revision. Once again, David Siveter and I request reprints of publications on Palaeozoic ostracodes and that reprints be sent to appropriate Treatise revision contributors as published in the last issue of Cypris.

**Harry Blomma** (M.S. candidate) has a thesis topic of *Pachydermatinae from the Silurian of Gotland*: morphology, systematics and stratigraphic occurrence.


**ROSALIE F. MADDOCKS** I am working on ostracodes collected from marine and anchialine caves by Thomas Iliffe. Other taxonomic projects concern Bairdiidae and marine Cypriidae. I have little time for research lately, and the work goes slowly. There are no graduate students taking courses or doing research in micropaleontology. The majority of our students these days are interested in hydrogeology, geochemistry, tectonics, and geophysics.

**MARK PUCKETT** The big news for me this year was successfully defending my Ph.D. dissertation, which is entitled *Planktonic foraminiferal biostratigraphy and ostracode paleoecology of the Demopolis Chalk (Campanian and Maastrichtian) in the northern Gulf Coastal Plain, Alabama and Mississippi*. In essence, I used several numerical techniques to generate a paleoecological model of the distribution of virtually all species of ostracodes in the Campanian and Maastrichtian of Alabama and Mississippi, then applied this information to interpret fluctuating paleobathymetry during deposition of the Demopolis Chalk. I am currently working on ostracode biostratigraphy of the open marine portion of the Upper Cretaceous exposed along the Alabama River, central Alabama, by constructing a composite reference section and calibrating the ranges and ages of the ostracodes based on planktonic foraminifera. These ranges of the ostracodes can then be applied to the more nearshore stratigraphic units in eastern Alabama and northern Mississippi to date unconformity-bound depositional sequences.


**J. GREGORY SOHN** Current work includes (1) research on Carboniferous through living marine and nonmarine Ostracoda, and continuing the annual list of new generic and higher categories of Palaeozoic and Triassic Ostracoda, (2) continuing video recording of behavior and functions of living Ostracoda and am editing video on laboratory techniques, and (3) continuing revision of two families for the new Treatise.

**ALISON J. SMITH** I am presently working as an Assistant Professor at Kent State University, and am
continuing my research in non-marine ostracodes of Holocene and Pleistocene records. My projects at this time include: (1) using the lacustrine ostracodes as solute indicators for a climatic and hydrologic history of the Great Plains, (2) studying the ostracodes as climate indicators from the Holocene record of Lake Huron, (3) studying the ostracodes from the Quaternary record of Pyramid Lake and Mono Lake, and (4) using the lacustrine, fen, and semi-terrestrial ostracodes in Ohio as environmental indicators.


F.M. SWAIN I am continuing to work on Mesozoic and Cenozoic Ostracoda. In September, 1992, I studied Jurassic rocks in Minhe Basin, Qinghai Province, China, in company with geologists from Lanzhou Branch of Academia Sinica. The sequence contains freshwater Ostracoda and associated thick oil sands.

JAMES W. TEETER Mike CronIn and I piston cored karst pits on the eastern shore of Granny Lake, San Salvador Island, Bahamas. Penetration of the thick Holocene section to Pleistocene bedrock was prevented by an apparent muddy horizon at depths of 1-3 m.

My micropaleontology class and I have studied a coastal Holocene lacustrine sequence exposed on the open marine platform of San Salvador and capped by a marine limestone. The sequence contains only the typical saline lake assemblage of ostracodes which, because of its relatively broad salinity range, reveals little of the Holocene salinity history. However, paleosalinities determined from the Mg content of Cyprideis americana mimic results found in other saline lakes of San Salvador. This research will be presented at the 7th Symposium on the Geology of the Bahamas in June, 1994.

DONALD S. VAN NIEUWENHUISE My current supervisory duties have been very demanding on my time. However, my current biostratigraphy/ostracode studies include: (1) Continuation of a regional graphic correlation study of the North Sea Mesozoic for the Rhaetian through Alban. The database now includes over 250 wells with palynology, Foraminifera, nannofossil, ostracode, siliceous microfossil, and ammonite data. Major hiatuses and tectonically enhanced maximum flooding surfaces have been identified. (2) Presently completing well analyses for ostracodes in Yemen, Sharja, Romania, China, and Argentina. The wells range in age from Tithonian to Pontian. (3) I am beginning a new five well study of Eocene ostracodes in Tunisia and will integrate that data with foraminifers, palynology, and nannofossil data. (4) I am continuing quantitative analyses of ostracode assemblages in Lake Turkana cores collected by Duke and ETH and comparing them to Pleistocene assemblages from the Koobi Fora that occur in the Amoco Kargi #1 well.

YUGOSLAVIA
Correspondent: Ljupko M. Rundic

Dr. Rundic notes that the situation in Yugoslavia is hard to live with, but that ostracode workers remain colleagues, even in different countries.

N. KRSTIC continues her work on ostracode assemblages from Paludinian beds (Pliocene) from SE part
of Pannonian basin. She began working on non-marine ostracodes from Miocene sediments.

LI RUNDIC is continuing research on marine ostracodes from Neogene of Yugoslavia. He began studying
Pannonian ostracodes of Serbia for his doctoral dissertation.

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ANNOUNCEMENTS

**JOHN ATHERSUCH** Thanks to all those who send me reprints--please put me on your mailing list if not already on it. I will respond with copies of any of my past papers (except Stereo-Atlas).

**G. BECKER** In 1993, I will retire from the Geological Paleontological Institute in Frankfurt am Main at the end of the month September. In being an " Ehrenamtlicher Mitarbeiter" (honorable coworker) of the Senckenberg Museum for more than 25 years, I hope to continue some work with this institution (Senckenberinanlage 25, D-6000 Frankfurt am Main 11). My private address is Mozartstr. 14, D-6370 Oberursel 1, Germany; phone: 49-6172/ 57176.

**G. CARBONNEL** The software 1=N (1EGLALN) for automatical synonymy and biogeographic range of the requests on colouring maps is now achieved. It can be purchased as follows:
- an application under dBASE 3+ and dBASE 4 (v 1.1, 1.5) for US $180
- and EXE file for US $320
- An EXE File under WINDOWS 3.0 (price not fixed)

Other softwares are available (STRATLOG, DISTCDM DEVSUP). For any information, see Reports.

**ANNE COHEN** A symposium on Phylogeny of and within the Maxillopoda will be held on behalf of the Crustacea Society for the 1993-meetings with the American Society of Zoologists to be held from 27-30 December at the Los Angeles Hilton and Towers and the Hyatt Regency Los Angeles. The current list of speakers is:
L. Abele and T. Spears: Molecular phylogeny of the Maxillopoda (sensu lato) based on 18s ribosomal DNA
G. Boxshall: What defines the Maxillopoda
B. Felgenhauer and D. Felder: topic concerning morphology of the Remipedia
J.S. Ho: Phylogeny of Copepoda: a reconsideration

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J. Hoeg: The phylogeny and relationship of the Cirripedia Rhizocephala
R. Huys: Tantulocaridan relationships and the significance of gonopore position and male[?] homology in  
maxilipodan phylogeny?
P. Jensen: The significance of ultrastructural larval characters in the phylogeny of the Cirripedia  
(Crustacea, Thecoscorada)
L. Kornicki and A. Cohen: Phylogeny of the Myodocopa  
And if funds are available:
M. Grygler: Phylogenetic implications of cross-taXa homologies of naupliar features in the Maxillopoda  
K. Martens: Aspects of the phylogeny of the Podocopida (Ostracoda)  
K. Swanson: Soft anatomy, life history and behavioural peculiarities of Puncia, living relatives of  
Palaeozoic Ostracoda

For more information, contact Anne Cohen, Div. of Life Sciences, Los Angeles County Museum of Natural  
History, 900 Exposition Blvd., Los Angeles, CA 90007, telephone 213-744-3473, fax 213-746-2999.

A symposium on the biology of the Branchiopoda has been organized for the same meetings by J.W.  
Martin, Curator of Crustacea, Natural History Mus. Los Angeles.

The Crustacea Laboratory of the Natural History Museum of Los Angeles County is attempting to  
conduct a worldwide survey of crustacean biodiversity. The survey will address such topics as the number  
of species and genera in each family, the major habitats of members of that family, and the biogeographic  
realms where species in that family can be found. We will also attempt to estimate, again on a family  
basis, the number of undescribed species. This survey will be mailed to taxonomists and systematists  
specializing in all crustacean taxa later this year.

At this time we are compiling a list of systematists who would be willing to assist us by completing  
our survey for a particular family. If you would be willing to complete the survey for a particular crustacean  
family or families, contact: Crustacea Biodiversity Survey, c/o J.W. Martin, Natural History Museum of Los  
Angeles County, 900 Exposition Boulevard, Los Angeles, CA 90007, USA.

ROSALIE F. MADDOCKS Amoco Production Company has made two generous financial contributions  
to the Department of Geosciences of the University of Houston to support the work of the International  
Research Group on Ostracoda, to be used for (1) administration and travel expenses and (2) publications.  
To facilitate this, I have established an account for IRGO in the Department of Geosciences. Members  
of IRGO are encouraged to express their gratitude to Donald S. Van Nieuwenhuijsen at Amoco for his efforts  
in securing their grant! If you have suggestions for the best use of this money, please send them to one  
of the officers of IRGO (Patrick De Deckker, Chair; Rosalie F. Maddocks, Vice-Chair; Karel Wouters,  
Secretary; Elly Brouwers, Editor of Cypris).

IAN WILKINSON The Stratigraphical Index of British Ostracoda is being revised, updated, and rewritten  
to include additional data collected since 1978. It is being edited by J. Athersuch, M. Keen, and I.  
Wilkinson. We hope it will be published during 1993.

REQUESTS

S. TAHER AHMED I want to make contact with the Neogene ostracod workers of the Indo-Pacific region  
and wish to attend seminars on ostracods, foraminifers, and nannofossils.

J.F. BABINOT I will be very happy to receive micropaleontological papers concerning the Mesozoic and
Cenozoic of Indonesia and Phillipines.

IAN BOOMER Any reprints on deep sea Ostracoda, especially Cainozoic of the Pacific. Any reprints on Ostracoda from the Ponto-Caspian region and Quaternary/Recent samples from that region.

GRAHAM PETER COLES Any recent reprints relevant to my research interests would be very welcome.

S. CRASQUIN-SOLEAU Will be very interested (and happy) to work with anybody worldwide on marine Permian ostracodes.

NERIMAN DORUK is interested in exchanging papers on Meotian, Chersonian Ostracoda from Russian workers. (Mailing address: EGE University, Doga Tarihi Muzesi, Bornova, Izmir, Turkey).

STELIOS GALOUKAS Any papers dealing with Upper Cenozoic eastern Mediterranean ostracods of all facies will be welcomed.

Huw Griffiths Happy to accept material Candona neglecta (s.l.) from just about anywhere.

Roger Kaesler The revision of Part Q of the Treatise on Invertebrate Paleontology is well underway. The work of the Treatise editorial office will be made much easier if we receive reprints of publications for our library. We are especially interested in all papers that cover topics to be included in the revision of the Treatise. This includes, of course, systematics, but it also includes paleoecology, biostratigraphy, paleobiogeography, and multivariate morphometrics.

George Hecht and I would like very much to receive specimens of Darwinka, Carbonita and other late Paleozoic, freshwater ostracodes.

M.A. Malik would appreciate it if he could receive reprints of papers/xeroxed copies of publications on ostracodes to enrich our departmental library as they have very meagre literature on ostracodes. Secondly, if any persons/institutions wishing for collaborative work on ostracodes of Jammu/Kashmir/Ladakh is most welcome.

I would feel delighted if there is a future programme, say for 1944-1995, conferences/seminars being held on ostracodes to be announced well in advance.

Pratap Singh is interested in reprints of papers on ostracods.

Alison Smith I would very much like to correspond with workers interested in modern and Quaternary non-marine ostracodes. I have become very interested in taxa living in fens and springs, and would enjoy hearing from others who also find these groups interesting. Also, we often have funding opportunities for M.Sc. and Ph.D. students here at Kent State, and I would be glad to hear from prospective graduate students interested in modern and Quaternary non-marine ostracodes and their applications to problems in climate reconstruction, paleohydrology, and environmental changes.

Nuran Sonmez-Gökçen is interested in exchanging papers on the Neogene sequences of Pannonic, Dasic, and Ponto-Caspic Basins. (Mailing address: Dokuz Eyiül University, Izmir Meslek Y. Okulu Buca/IZMIR, Turkey).

Stephen Tatman would be interested in any reprints/photocopies of papers dealing with 'Wealden' assemblages and environments.

Robin Whatley Could all authors of new generic and supra-generic taxa please inform me for the revision of the Treatise (Post-Paleozoic).
IAN WILKINSON I should be pleased to receive reprints on all Mesozoic Ostracoda. If I am not on your mailing list, then please include me. Ian P. Wilkinson, BGS, Keyworth, Notts, NG12 5GG, UK.

IRENE ZORN would like to receive publications from ostracodologists working on ostracods of the Early Miocene.

REPORTS

KEN MCKENZIE
On October 2, Peter Jones and I mailed off two packages to A.A. Balkema, the Rotterdam publishers of the 11th Symposium Proceedings. Included were the annotated printout of the volume, figure mockups, figure explanations, tables, and equations, all in Balkema format, as well as two 3.5" disks (1.8 Mb) in Wordstar 6. The volume will hopefully appear within six months as Kenneth G. McKenzie and Peter J. Jones (eds.), Ostracoda in the Earth and Life Sciences, 550 p. We include suggestions in our preface that may be of value to ostracologists. The preferred option in the future should be to submit in A4 double-spaced (as in the 'old days'). The papers can then be scanned directly into the editors' word processor package. This cuts out a lot of unnecessary bother with extra disks and unfamiliar packages. We also suggest that those who use translation programs to convert their papers into English and check them over carefully for English expression before submitting, because translation programs are not science-oriented.

SIMONE POUVET

A NEW SOFTWARE: 1EGALN
for automatic synonymy

1EGALN requires the following to be operating: (1) an IBM PC/XT or AT or PC compatible computers running Disk Operating System (DOS) release 3.2 or later, (2) a color display Adapter (VGA), (3) 640K of RAM (Random Access Memory) available. The size of the executable software without pictures is lower than 350 Kc.

The software 1EGALN is both a tool for automatic synonymy, automatical viewer of scannerised pictures and geographical location on continental maps. This program provides the complete story of a taxon including pictures if available. After the original data have been introduced in the so-called "Originals file", you are asked to give the synonyms in a second file called "Citations file". The relations between these two ones are managed by the software.

According to your requirements, you could obtain: (1) the list of synonyms. By the original framework of the program, the specific or generic changes are also given; (2) the stratigraphical and/or geographical distribution; (3) the list of genera (with or without species) for each of the two files. If there are more than two species in a genus, the program draws a histogram of their amount on the screen. You have the possibility to use filters (1 or 2 of boolean type AND OR) when you need a request. This option increases the performance of the program.

One of the main points of 1EGALN is to allow the visualization of scannerised species as well as their stratigraphical distribution on colored maps. If you are running DOS 5.0 with a coloring printer, it is easy to print figures species and maps directly by hardcopy. You can also export the results toward a word processor and graph software, a very convenient feature for the researcher.

I have had the opportunity to test this program. The introduction of data, the formulation of simple or multiple requests, the study of a synonymy are easy. It is a fact that the "menu oriented user interface" in clear language do not require any programming knowledge. In some months, an executable release will be available, it will be more convivial.

The 1EGALN user must be very rigorous when he introduces the data. He has to respect imperatively the bipartition between the two files (Originals file and citations file) because this bipartition
warrants the right linkage against any disturbing cutlerys. Each paleontologist or zoologist, each people who works about natural sciences would be interested in 1EGALN. An English release is scheduled in 1993.

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COMMANDE a adresser a INFOLOGICIEL - Centre des Sciences de la Terre Université Claude Bernard Lyon 1 - 27-43 bd du 11 Novembre - 69622 Villeurbanne cedex accompagnée du règlement précisez le format de disquette:

NOM, Prenom:
Adresse:
Oogenesis in Fresh-water Ostracods

Crustacean oogenesis is of considerable importance developmentally as well as phylogenetically, especially as regards the coadaptation of egg and sperm cells. However, oogenesis in crustaceans in general and particularly in ostracods has been studied scarcely at all until now. Therefore, we have started electron-microscopic investigations of oogenesis in two species of fresh-water ostracods of the cypridid family (*Cypria opthalmica*, *Cypridopsis vidua*). In early oocytes of *Cypria opthalmica* a distinctive aggregation of electron-dense material is found near the nucleus. Structurally, it resembles the so-called oosome found in the posterior region of some insect eggs, which is rich in RNA and marks the germ line. But in contrast to the insect oosome the dense material of the ostracod oocytes is in direct contact with mitochondria. Furthermore, near the nuclear envelope there is deposited a fibrous substance, very similar to accumulations in many metazoan germ cells, commonly known as "nuages". Oosome and nuage are explained as stores of long-lived mRNA and are considered to be a morphological expression of determinants. The oocytes of *Cypridopsis vidua* are characterized by cytoplasmic and nuclear paracrystalline structures, large mitochondria, bacteroids and specific filamentous complexes. The latter look like configurations we found in spermatocytes, egg and pole cells of *Chironomus anthracinus* (Diptera, Chironomidae).

MEETINGS

**G. BECKER** The 1992 meeting of the German-speaking Ostracodologists was held from 27 to 31 May in Greifswald (see *Cypris* 10, p. 58), i.e. for the first time in a university town in eastern Germany. The meeting was well frequented by colleagues coming from all parts of Germany and also from abroad, altogether 35 persons took part. The scientific sessions and the excursions to history, geology and paleontology of the area and the islands of Ragen and Hiddensee had been excellently organized by Drs. E. Herrig and W. Hansch. 1993 we will all meet at Glasgow, taking part in the European Ostracod Meeting (23-27 July 1993).

**P. CARBONEL** Organization with D. Danieletopol, J.P. Collin and 10 colleagues from France, Spain, England—a of a workshop concerning the Subfamily Timiriaseviniæ. The session will be held in Moulis (Ariege, France), "Centre de'Ecologie souterraine" of C.N.R.S., by the end of June, 1993. Results may be presented at the Symposium of Czechoslovakia, 1994.

**J. VANNIER** A Treatise Meeting on Paleozoic Ostracodes was held at Lyon Univ. from August 11th to 18th, 1992, including scientific sessions and a field trip to Montagne Noire (Collaboration of R. Felst, Montpellier Univ.). For information and scientific results, please contact Jean Vannier, organizer.

**IAN WILKINSON** The Second European Ostracodologists' Meeting will be held at Glasgow University between 23rd and 27th July 1993 to mark 200 years of British Ostracodology. A post-meeting excursion to Skye is being planned. For further details contact Dr. M.C. Keen, Dept. of Geology, University of Glasgow, Glasgow, G12 8QQ, UK.

NOTES ON TOPICS OF GENERAL INTEREST

**TOM CRONIN** ARCTIC'91 cruise to Nansen, Amundsen, Makarov Basins, Lomonosov and Gakkel Ridges, Morris Jesup Rise and Yermak Plateau has yielded the following material: abundant ostracode
assemblages from boxcores from 1000-4500 m water depth (8300 specimens from 43 coretops; 14,500 from downhole late Quaternary/Holocene specimens); kastenlot cores (up to 9 m long) with interglacial intervals with abundant ostracodites (10,000 specimens so far); soft parts in multicore coretops; an exceptional Quaternary history for the deep Arctic, including cyclic changes in bottom water masses. Papers are in review.

ROGER KAESLER

A New Treatise for a New Century

Since its inception in the late 1940's, the Treatise on Invertebrate Paleontology has grown into one of the most ambitious, successful, and enduring projects in science. To a very considerable extent, it has colored the way in which paleontology is practiced. As a source of introductory summaries and detailed taxonomic revisions and as a central repository of systematic consensus, the Treatise has helped free paleontologists of their previous taxonomic orientation, allowing them to investigate such broad and taxonomically unconstrained patterns as the changes of diversity through time, the impact of mass extinction events and the biota's recovery from them, taphonomy and other aspects of paleontology's interface with sedimentology, and major biogeographical and paleoecological trends, including the onshore origination and offshore migration of new taxa. Thus, in part because of the Treatise itself and because of the manner of practicing paleontology that the Treatise has engendered, paleontology has reentered the limelight and is now arguably the most exciting field of science.

Many of our colleagues now practice paleontology without being thoroughly grounded in (or, some would say, preoccupied with) the systematics of a higher taxon of fossils. Has the Treatise been too successful, enabling too many of us to study patterns instead of specimens? It seems unlikely, although many (and I among them) worry that as we run out of systematic specialists there will be no one to identify the fossils found by the next generation of paleontologists and stratigraphers. If so, much rediscovering of the wheel, sometimes termed synonymy, lies ahead.

Perhaps the Treatise itself can help. Plans are underway to extend the Treatise into a new phase, the preparation of a comprehensive, electronic, relational data base that will deal with both morphology and distribution, including biostratigraphy, paleobiogeography, and paleoecology. In this connection, two advisory boards recently met with the Treatise editorial staff to lay groundwork for the data base. Their work included preparing firm editorial policies to insure uniformity of the volumes and timely preparation of manuscript as well as designing the structure of the data base itself, which has been dubbed Paleobank and, because of the dial-up capability that is planned, nicknamed ET, the electronic Treatise. ("ET, phone home."

What is envisaged, of course, is not a massive retrofitting of information from obsolete Treatise volumes. Instead, two Treatise projects have been selected as pilots: the Caenogastropoda (Part J), a vast undertaking and one of the few groups of invertebrates that has never been the subject of a published Treatise volume, and the revision of the Stromatoporoidea (Part E), which includes many fewer taxa and involves many fewer authors. Treatise authors will be provided with menu-driven screens to capture information about fossil genera. Report-writing capabilities of the data base will be used to prepare manuscript in Treatise style, enhancing the preparation of volumes and ensuring that publication of Treatise volumes continues into the foreseeable future. (Books seem to have a future, in spite of the many previous predictions of their demise. Remember what microfiche was going to do for scientific journals?)

Of greater, ultimate importance to the paleontological community than the rapid preparation of Treatise manuscript is the fact that the information in the data base will be a permanent file that can be accessed by paleontologists the world over. It will be possible to add to the data base, and periodic revisions by specialists, presumably to coincide with the publication of a new Treatise volume, will weed out synonymous genera and flesh out incomplete descriptions of genera and information on their distributions. Thus in the future the prospect of revision a Treatise volume will be less daunting because much of the needed information will have been captured electronically.

Everything has to start somewhere. At the moment the first data are entered, the data base will contain information on only one genus, probably a gastropod, and will be of little use to anyone. As the
data base grows, it will become useful to more and more paleontologists, providing incentive for them to add to it. (Thought needs to be given by paleontologists, their supervisors, and committees on promotion and tenure to regarding publication in the electronic media as a legitimate scholarly endeavor, which, of course, it is.) Ultimately—but not right away—one will be able to query PaleoBank for answers to such questions as "What genera of bivalves and brachiopods with coarse, radial ribs lived in nearshore carbonate mud in Australia and northwestern Europe during the Eifelian?" Moreover, even as more and more data from the current literature are added to the data base, paleontologists will still be able to access to the latest, Treatise-approved revision by specialists. This will insure that the data base does not only grow but is also pruned from time to time, which is essential for the use of nonspecialists and for educating students.

Having an electronic, relational data base behind the Treatise will facilitate revisions and enhance the study of pattern paleontology, but it will do little in itself toward identifying the fossils found by the next generation of paleontologists and stratigraphers. What the data base can do, however, is serve as the foundation for preparing expert systems that engineer the knowledge of the present generation into a form that can be used by the next, both for identifying fossils and for educating the specialists of the coming century. We are a long way from having that capability, but time flies when you are having fun, and we can all be sure that at the very least the future is coming. In this early state of the project, I would very much like to hear from paleontologists with ideas about how PaleoBank, the electronic Treatise might be designed to help with their research.

ROSALIE F. MADDOCKS

EXCHANGE OF SURPLUS OSTRACODA LITERATURE

Solicitation 4: January 1993

All ostracode workers are invited to participate in this free exchange program. Here's how it works:

1. You send me any surplus (duplicate) publications concerning Ostracoda. These can be books, reprints or photocopies by any author, any age, in any language.
2. On the list below, mark the titles you wish to receive.
3. Each year in Cypris I will publish an updated list of publications available.
4. Please bear in mind that this is an exchange program, not a give-away. For this program to be successful long-term, the donations must equal or exceed the requests.

Thanks to those of you who have contributed this year. While there were not many of you, your contributions were generous and substantial, and I was delighted that I was able to furnish most of the items requested in exchange. (It is surprising how little overlap there is in the requests, though obviously older works are in somewhat greater demand.) Anyway, let's try it another year and see if more people decide to join.

The following is a revised list of the reprints and photocopies (marked X) that are available as of January 1993. All are in usable condition and believed to be complete unless otherwise noted, but I cannot make any guarantees. Many bear name stamps and other writing; most are not autographed by the author.

Alvineria et al, 1976, Contribution a la connaissance du Canzoique du Golfe de Gascogne
Ascoli, 1969, Ostracodi oloacensi continentali e salmastri...laguna di Venezia
Atkens & Bonaduce, 1976, Loeulkythretta pavonia (Brady)
Bate, Lord & Riegraf, 1983, Jurassic Ostracoda from Lag 79, Site 547
Benson, 1972, The Bradlyea problem...
Benson, 1975, Morphologic stability in Ostracoda...also X
Benson, 1977, Evolution of Obitocytheridae from Paleocosta...
Benson, 1979, In search of lost oceans: a paradox in discovery
Benson & Coleman, 1963, Recent marine ostracodes from the eastern Gulf of Mexico. X
Benson & Kaister, 1965, Recent marine and lagoonal...Estero de Tasties...X
Benson & Macdonald, 1963, Postglacial (Holocene) ostracodes from Lake Erie. X
Benson & Tateo, 1964, Faunal description of Ostracoda...Marlbrook Marl (Campanian)
Bendran & Copeland, 1979, Ostracodes from Lower Devonian...Alaska and Yukon...
Bismuth et al, The genus Loeulkythretta Ostracoda
Bold, W.A. van den, 1958, Ostracoda of the Braso Formation of Trinidad
Bold, 1963, Upper Miocene and Pliocene Ostracoda of Trinidad
Bold, 1965, Middle Tertiary Ostracoda from northwestern Puerto Rico. X
McKenzie, 1967, Recent Ostracoda from Port Phillip Bay, Victoria
McKenzie, 1969, Notes on the Paradoxostomata
McKenzie, 1971, Paradoxostoma pacificum n. sp...also X
McKenzie, 1977, Illustrated generic key to South African continental Ostracoda X
McKenzie & Guha, 1987, A comparative analysis of Eocene/Oligocene boundary Ostracoda
McKenzie & Swan, 1967, Recent Ostracoda from Scammon Lagoon...
Melik, 1966, Hinge ment and contact margin structure of palaeocapid ostracodes...
Morkov, 1958, On the validity of the ostracod genus Glyptobairdia/Bairdopilata X
Neale, 1964, Some factors influencing the distribution of recent British Ostracoda
Neale, 1967, An ostracod fauna from Halley Bay...X
Neale, 1972, Kangarina septentrionalis and Paracytheriidea norvegica...
Neale, 1973, Ca lutia gen. nov., a new genus of marine Ostracoda...
Neale & Howe, 1973, New cold water recent and Pleistocene...Cytheropteron
Neale & Howe, 1975, The marine Ostracoda of Russian Harbour, Novaya Zemlya...
Neale & Schmidt, 1967, On Nannicythere laeodoma...
The Ostracodologist, No. 16, November 1970
The Ostracodologist, No. 25, December 1977
Paypouquet, 1975, Les variations des caracteres...Krypto...
Pinto & de Onorilla, 1965, A new brackishwater ostracode, Cypriidea rironisensis...
Pinto & de Onorilla, 1970, A new brackishwater ostracode Parissocytheridea...
Pinto & Purper, 1965, A new freshwater ostracode Cyprinopus trispinosus...
Pinto & Sanguinetis, 1984, Mesozoic ostracode genus Therapsamorcar Branson, 1936 and
Plusquello & Sandberg, 1969, Some genera of the ostracode subfam. Campylocytherinae
Pokorny, 1964, The taxonomic delimitation...Trachyleberidinae and Hemicytherinae...X
Pokorny, 1968, Havannardia g. nov., a new genus of the Bairdiidae...X
Pokorny, 1967, The genus Platycythereis...Upper Cretaceous of Bohemia...X
Pooser, 1965, Biostratigraphy of Cenozoic Ostracoda from South Carolina
Puri, 1953, Contribution to the study of the Miozene of the Florida Panhandle
Puri, 1953, same, parts II (Foraminifera) and III (Ostracoda) only
Puri, 1960, Recent Ostracoda from the west coast of Florida...X
Ruggieri, 1953, Eta et faune di un terrazzo marino sulla costa ionica della Calabria...X
Sandberg, 1964, Larva-adult relationships in some species of...Haplocythereis
Sandberg, 1966, The modern ostracods Cypriidea bensonii...
Sandberg, 1968, A new specimen stub for stereophotography...
Sandberg, 1969, Appendages and family placement...Pellucistoma
Sandberg, 1970, Scanning electron microscopy of freeze-dried...
Sandberg & Hay, 1967, Study of microfossils by means of the scanning...
Sandberg & Hay, 1968, Application of the scanning electron microscope...
Sandberg & Plusquello, 1969, Structure and polymorphism of normal pores...
Skinner, 1956, Ostracoda from basal Arkadelphia marl exposures...X
Skogsberg, 1928, Studies on marine ostracods, part II...Cytheraeis...X
Skogsberg, 1950, Two new species of marine Ostracoda (Podocopa) from California...X
Sohn, 1950, Growth series of ostracodes from the Permian of Texas...X
Sohn, 1954, Ostracoda from the Permian of the Glass Mountains, Texas...X
Sohn, 1960, Paleozoic species of Bairdia and related genera
Sohn, 1965, Classification of the superfamily Healdiacea...X
Sohn, 1968, Paleogeographical implications of nonmarine...
Sohn, 1970, Early Triassic marine ostracodes from the Salt Range...
Sohn, 1975, Mississippian Ostracoda of the Amsden Formation...X
Sohn & Komickier, 1972, Predation of schistosomiasis vector snails...X
Sohn & Komickier, 1973, Morphology of Cypretta kawashi...
Sohn & Komickier, 1975, Variation in predation behavior...vector snails
Swain, 1955, Ostracoda of San Antonio Bay...X
Swain, 1971, Pleistocene Ostracoda from deep-sea sediments...X
Swain, 1971, Pliocene Ostracoda from deep-sea sediments...X
Swain et al, 1971, Paleocology of Tertiary and fossil Quaternary...
Swartz & Whitmore, 1966, Ostracoda of the Silurian Decker and Manlius Limestones
Szczechura, 1971, Palaeocene Ostracoda from Nugssuaq, West Greenland
Szczechura, 1978, Fresh-water ostracodes...Nemast...Upperr Cretaceous) of Mongolia
Tessier, 1973, Geographic distribution and dispersal of some recent shallow-water...
Tressler, 1940, Ostracoda from Beaufort, North Carolina sand beaches...X
OTHER MICROPALYNOLOGY:
Anderson, 1971, Key to Cenozoic foraminiferal families and genera of the Gulf...
Batten, 1973, Use of palynologic assemblage-types in Wealden correlation
Batten, 1973, Palynology of early Cretaceous soil beds and associated strata
Beard, 1969, Pleistocene paleotemperature record based on planktonic foraminifers...
Bermudez, 1952, Estudio sistemático de los foraminíferos rotaliformes
Boltovskoy, 1958, Problemas en taxonomía y nomenclatura...Nonion affine
Brown, 1967, Heterodictyidae...amended...
Collinson & Schwab, 1955, North American Paleozoic Chitinozoa
Hoskin & Haszprunar, 1975, Occurrence of Late Miocene Chilostomella frambesi...
Kelling, 1963, Palaeoecology of the Foraminifera of the Wills Point...
Micropaleontology, vol. 1 1955 no. 1 only
Micropaleontology, vol. 2 1956 nos. 1, 2, 3 only
Micropaleontology, vol. 2 1956 no. 1 only
Micropaleontology, vol. 18 1972 complete
Micropaleontology, vol. 19 1973 nos. 1, 4 only
Micropaleontology, vol. 20 1974 complete
Moore, 1967, Unique stalked crinoids from Upper Cretaceous of Mississippi
Moore & others, 1988, Developments, trends and outlooks in palaeontology
Moore & Strimple, 1969, Explosive evolulutionary differentiation...Acrocrinidae
Rexroad, 1957, Conodonts from the Chester Series in the type area...
Rexroad, 1958, Conodonts from the Glen Dean Formation...
Rexroad & Jarrell, 1961, Correlation by conodonts of Goliad Group...
Seiglie & Ayala-Castanaré, 1969, Sistemática y bioestratigrafía de los foraminíferos...
Smith & Hardin, ed., 1973, Proceedings of Symposium on Cenozoic Nannofossils
Steineck, 1974, Foraminiferal paleoecology of the Montpelier...

IAN WILKINSON We were pleased to invite Prof. Ye Chunhui to the British Geological Survey for a number of months during the spring and summer of 1992. Prof. Ye worked on British Purbeck and Wealden Ostracoda, relating them to Chinese faunas, and it is hoped that a number of papers will be the result, including a reinterpretation of faunas across the Jurassic/Cretaceous boundary.

NEW TAXA

D. KEYSER and G. HARTMANN


Australimitus Behrens, 1992 (Australimitus aequatus Behrens, 1992); Hemicytheridae, Hemicytherinae, Aulillini; Recent, NE Australia.

Blaszykina Brand, 1990 (Progonocythere convexa Blaszyk, 1967); Cytheridae, Progonocytherinae,
Progonocytherini; U Bathonian, N Germany.

Borneocythere Mostafawi, 1992 (Borneocythere paucipunctata (Whatley and Zhao, 1988) after Mostafawi, 1992; Trachyleberididae, Trachyleberidinae, Trachyleberidini; Recent, Indonesia.

Crenaleya Ahmad et. al., 1991 (Crenaleya tuberis Ahmad et. al., 1991); Hemicytheridae, Thaerocytherinae, Bradleyni; Oligocene-Miocene, Tanzania.

Deltaleberis McKenzie, Reymen and Reymen, 1991 (Deltaleberis rugosaptya McKenzie, Reymen and Reymen, 1991); Trachyleberididae, Trachyleberidinae, Trachyleberidini; Eocene-Miocene, Australia.

Geelongella McKenzie, Reymen and Reymen, 1991 (Geelongella antyx McKenzie, Reymen and Reymen, 1991); Cytherellidae, Cytherellinae; L Oligocene, Australia (Victoria).

Eulimocythere Huang and Sun, 1988 (Eulimocythere qinghaiensis Huang, Sun and Chen, 1988); Cyprididae, Cypridinae; U Miocene, NW China.

Gauricypris Sun, 1988 (Gauricypris qaielgouensis Sun, 1988); Cyprididae, Cypridinae; Miocene, NW China.

Heinzmaizina Mostafawi, 1992 (Heinzmaizina rhombiformis (Chen, 1981) after Mostafawi, 1992); Cytheruridae, Cytherurinae; Recent, Indonesia.

Iliffaeocia Maddocks, 1991 (Iliffaeocia iliffei Maddocks, 1991); Pontocyprididae; Recent, Galapagos, Bermuda.

Karelloecia Maddocks, 1991 (Karelloecia woutersi Maddocks, 1991); Pontocyprididae; Recent, Galapagos.

Kiwicythere Martens, 1992 (Kiwicythere anneari Martens, 1992); Limnoocytheridae, Limnoocythereae; Recent, Chatham Island.

Kleocopsis Martens, Meisch and Merian, 1991 (Cypridopsis horai Klie, 1927); Cypridopsidae, Cypridopsisinae; Recent, India, Israel, E Africa.

Liasopterini Grundel, 1980.

Liasopteron Grundel, 1980 (Cytheropteron (Infracytheropteron) gwasthense Bate and Coleman, 1975); Cytheruridae, Cytherurinae; U Lias, Europe.

Malheurocypris Swain, 1980 (Ilyocypridina variabilonodosa (Swain), 1980); Ilyocyprididae; Miocene-Pliocene, western USA.

Margocythere McKenzie, Reymen and Reymen, 1991 (Margocythere aspreta McKenzie, Reymen and Reymen, 1991); Hemicytheridae, Thaerocytherinae, Bradleyi; Oligocene, Australia (Victoria).

Mesocyprideis (Kiss, 1959), nomen novum by Wouters and Martens, 1992 (Mesocyprideis irritae Kiss, 1959); Cytherideidae, Cytherisinae, Cypridini; Recent, Belgium.

Namibocypridini

Namibocypris Martens, 1992 (Namibocypris costata Martens, 1992); Candonidae, Candonini; Recent, N Namibia (Africa).

Okadaleberis Bonaduce et. al., 1992 (Okadaleberis aspera Bonaduce et. al., 1992); Trachyleberididae, Trachyleberidinae; Miocene, Tunisia.

Paracathcythere Whatley and Zhao, 1991 (Paracathcythere costaretiucata Whatley and Zhao, 1991); Sinocytheridae; Pleistocene-Recent, E China.

Paralesleya Witte and Lissenberg, 1991 (Paralesleya perforata Witte and Lissenberg, 1991); Cytheridae, Progonocytherinae, Progonocytherini; Upper Jurassic, North-west Europe.

Patriziinae Bonaduce and Russo, 1990.

Patrizia Bonaduce and Russo, 1990 (Patrizia mascellaria Bonaduce and Russo, 1990); Trachyleberididae, Recent, marine, Gulf of Aden, Somalia (Africa).

Plumhofferia Brand, 1990 (Plumhofferia quadracosta Brand, 1990); Cytheruridae, Cytherurinae; Upper Bathonian, North Germany.

Polydonutoconcha Zhao and Whatley, 1991 (Polydonutoconcha hyperdonta Zhao and Whatley, 1991); Loxoconchidae, Loxoconchinae; Pleistocene-Recent, marine, South China Sea.

Pseudokejolla Dingle, 1992 (Cythere lepralioides Brady, 1880); Trachyleberididae, Buntoniinae, Leguminocytheroidini; Recent, SW Australia, Pacific.

Qaielgouia Sun and Yang, 1988 (Qaielgouia reniformis Sun and Yang, 1988); Cyprididae, Cypridinae; Oligocene, NW China.

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Qaidamocythere Huang, Sun and Chen, 1988 (Qaidamocythere vena Huang, Sun and Chen, 1988); Cyprididae, Cypridinae; U Miocene, NW China.

Ramotha Martens, 1992 (Eucypris hirta Sars, 1924); Cyprididae, Cypridinae; Recent, S Africa, Uganda, Spinobradleya McKenzie, Reymet and Reynet, 1991 (Spinobradleya acantha McKenzie, Reymet and Reynet, 1991); Hemicytheridae, Thaerocytherinidae, Bradileini; U Oligocene, Australia (Victoria).

Spinoceratina Mostafawi, 1992 (Spinoceratina hirta Mostafawi, 1992); Cytheridae, Cytherinidae, Paljenborchelli; Recent, Indonesia.

Strictocythere Sheppard in Brand, 1990 (Progonocythere solonica Blaszyk, 1959); Cytheridae, Progonocytherinidae, Progonocytherininae, U Bithynian, North-west Europe.

Syrtica Bonaduce et. al., 1992 (Syrtica pinguis Bonaduce et. al., 1992); Hemicytheridae, Hemicytherinae, Aurilini; Miocene, Tunisia.

Tethysobuntonia Colin and Babinot, 1991 (Tethysobuntonia govoroffi Colin and Babinot, 1991); Trachyleberididae, Buntoniinae, Buntonini; Cretaceous, Niger (Africa).

Thaerocythere (Notopleura) Liebau, 1991 (Thaerocythere (Notopleura) lusitanica Liebau, 1991); Hemicytheridae, Thaerocytherinidae, Thaerocytherini; U Oligocene, Recent, W Europe.

Thomontocypris Maddocks, 1991 (Propontocypris (Elkpointocypris) lurida Maddocks, 1986); Pontocyprididae; Recent, marine, Atlantic.

Traidogigatocypris Monostori, 1991 (Traidogigatocypris balatonica Monostori, 1991); Cypridinidae, Cypridininae, Gigantocypridini; Triassic (Dadanien), Hungary.

Venericythere Mostafawi, 1992 (Venericythere darwini) Brady, 1868 after Mostafawi, 1992; Trachyleberididae, Trachyleberidinae, Trachyleberidini; Recent, Indonesia.

Youshashania Yan and Gu, 1988 (Youshashania cylindrica Yang and Gu, 1988); Cyprididae, Cypridinae; Tertiary, NW China.

Youshashania (Gangalgouia) Gu, 1988 (Youshashania (Gangalgouia) vulgaris Gu, 1988); Cyprididae, Cypridinae; Tertiary, marine, NW China.

J.G. SOHN This 15th objective list of new ostracode taxa includes references available to me after January 1, 1983. A few references as early as 1987 are included. I thank my colleagues who have provided me with reprints on Ostracoda.


On August 24, 1992 I received several reprints from Dr. Quan-ying Sun including the 1987 paper that I had noted in the list for 1991 as unavailable to me. This paper contains new genera that are listed below. I regret that I had omitted in the 1992 list (Cypris no. 10) Paraantella Schormik and Michailova, 1990. I misspelled Spinoalacea Schormik and Michailova, 1990, misspelled and used Akkellinidae and Akkellinidade instead of Ackellina and Ackellinidae; Kozarocythere instead of Kozurocythere; Spinoalacea Schormik and Michailova, 1990 instead of Spinoalacea as corrected below.

References are incorporated under Bibliography.


Zhang, 1991. Late Silurian, Nei Mongol, P.R.C.

*AULACOBAYDIDAE* Zhang, 1991, p. 124, 135. Headiacea Hartlon, 1933. Late Silurian, Nei Mongol, Permian, Zhejiang, P.R.C.


*BISPINACRATIA* (B. posterospinosa) Becker and Wang, 1992, p. 39. Podocopida Sars, 1866, Podocopina Sars, 1866, Bairdiacea Sars, 1888, Bairdiidae Sars, 1888. Early Carboniferous to Late Permian, P.R.C.

*BULBOSEONIA* (B. bolliformis) Becker and Wang, 1992, p. 42. Podocopida Sars, 1866, Podocopina Sars, 1866, Bairdiacea Sars, 1888, Beecherellidae Ulrich, 1894. Late Silurian, P.R.C.


Kirbyanaeaceae Ulrich and Bassler, 1906, Amphissitidae Knight, 1928. Late Permian, P.R.C.


**QUINGESSIA (Q. nonaculate)** Hansch and Wang, 1991, cards 77-80. Beyrichiidae Matthew, 1886, Beyrichiidae Matthew, 1886. Late Silurian, Quing District, Yunnan Province, P.R.C.


**SINABAIRDIA (S. nadora)** Becker and Wang, 1992, p. 33. Podocopina Sars, 1866, Podocopina Sars, 1866, Bairdilocpideracea Sars, 1888, Bairdilocpidae Sars, 1888. Late Permian, P.R.C.


**TUBEROSCAPHA (T. obesa)** Becker and Wang, 1992, p. 40. Podocopida Sars, 1866, Podocopina Sars, 1866, Bairdilocpidae Sars, 1888, Beecherellidae Ulrich, 1894. Middle and Late Silurian, Inner Mongolia, P.R.C.


Ordovician, Baltic Basin.


PHOTOGRAPHS

Patrick De Deckker explains the geology of a volcanic maar in southern Victoria, Australia. Most of the Warmambool Symposium participants attended this mid-week field excursion. (Photograph submitted by N. Krstic).
Ostracodologists from Petrobras:
From left to right, the following workers—Jarbas Guzzo, Paulo Millhomem, Jeanine Grillo, L. Carlos Freitas (gray shirt), Augusto Silva-Telles, and Paul Gaim.
ABE, Katsumi, Institute of Geology, Faculty of Science, The University of Tokyo, Hongo 7-3-1, Tokyo 113, Japan, Telephone 03-3812-2111 ext. 4520, Fax 03-3815-9490

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