

## VITAE

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### Education:

B.S. Geology, 1968, California State University, Long Beach, California  
M.S. Geology, 1973, University of California, Riverside, California  
Ph.D. Geology, 1974, University of California, Riverside, California

### Areas of Specialization:

Biogeography, Biostratigraphy, Paleontology, Stratigraphy, Fossil Fuels

### Awards and Honors:

National Science Foundation Antarctic Service Medal  
Distinguish Visiting Scientist Research Fellowship, Field Museum of Natural History, Chicago, Illinois, 1981  
Honorable Mention for "Late Cretaceous-Early Tertiary Molluscan biogeography of the southern circum-Pacific", SEPM Outstanding Paper published in *Journal of Paleontology* in 1982  
Honorable Mention for "The first land mammal from Antarctica and its biogeographic implications", co-authored with M.O. Woodburne. SEPM Outstanding Paper published in *Journal of Paleontology* in 1984  
Distinguish Lecturer, Paleontological Society, 1992 -1993  
Fellow, Geological Society of America  
Received the Gilbert Harris Award from Paleontologic Research Institute in recognition of career excellence in systematic paleontology, 2009.

### Professional Membership:

Geological Society of America  
Paleontological Society  
Western Society of Malacologists  
International Paleontological Union

### Professional Service:

Visiting Scholar, University of Chile, Santiago, September-November, 1976  
Advisor to International Commission on Cretaceous Climates, 1985-1987.

Advisor to National Environmental Research Council of the United Kingdom; Earth Sciences advisory committee for the British Antarctic Survey, 1986.  
Review panel for travel grants for the 4th International Symposium on Antarctic Earth Sciences, 1986.  
Convenor of Workshop on the Role of the Polar Regions in the Evolution the Earth's Biosphere, Sponsored by Division of Polar Program, Cambridge, England, May 1988.  
Geology Peer Review Committee for Indiana Partnership for Statewide Education (Chair), 1995 to present  
Indiana State Mapping Advisory Committee, 1993 – 2003.  
Co-editor, Bulletin of the Paleontological Research Institute.

### **Invited Lectures:**

37th Annual Biological Colloquium, Oregon State University, Oregon, April 27-28, 1976.  
International Geological Correlation Project 114, 3rd Working Group Meeting Stanford, California, June 26-28, 1978.  
Symposium on West Antarctica and southern South America, Geological Society of London, October 21, 1981.  
Symposium on Paleogene Biogeography of the Southern Circum-Pacific, 15th Pacific Science Congress, Dunedin, New Zealand, February 15, 1983.  
Penrose Conference on Cretaceous Climates, Boulder, Colorado, October 5-6, 1983.  
Smithsonian Institution, United States Museum of Natural History, Washington, D.C., November 10, 1983.  
5th Symposium on Antarctic Geology and Geophysics, Cambridge University, August, 1987.  
Symposium on the Geology of Seymour Island, Geological Society of America, North Central, Kent State, June, 1987.  
Symposium on the Evolution of the Antarctic Biota, Geological Society of London, May 1988.  
International Geological Congress, Extinctions in the Fossil Record, Washington DC, July 1988.  
IV Congreso Argentino de Paleontología y Biostratigraphia, Simposia de Paleontología, Buenos Aires, Argentina, May 1989.  
IV Congreso Nacional de Paleontología, Simposio de Eventos de Extinción en la Historia Geológica, Mexico City, October, 1993.  
Geological Association of Canada, K/T Boundary Symposium, Edmonton, Alberta, Canada, May 1993.  
Dinofest, IUPUI, Indianapolis, Dinosaur Extinction Symposium, April 1994.  
7th Congreso Geológico Chileno, Simposio de Geología y Paleontología Antártico, October 1994.  
Lunar and Planetary Institute, Snow Bird III. New developments regarding the KT event and other catastrophes in earth history, Houston, Texas, February 1994.  
Dinofest International, Arizona State University, Extinction Symposium, April 1996.  
Short-term Maastrichtian biotic events on Seymour Island, Antarctica, 8th International Symposium on Antarctic Earth Sciences, 5-9 July, Wellington, New Zealand, July 1999.  
Geological History of Otto Nordenskjöld's Swedish South Polar Expedition, Swedish Academy of Sciences, Stockholm, Sweden, October, 2001  
Missouri Botanical Garden, 51<sup>st</sup> Annual Systematics Symposium on the Biogeographic history of South America, October 8-10, 2004.

### **Other invited lectures:**

Numerous university seminars

### **Professional Experience:**

- 1964-68 Geologic technician and micropaleontologist, Atlantic Richfield Oil Corp., Long Beach, California.
- 1968-69 Instructor, Department of Geology, California State University, Long Beach, California.
- 1970 Micropaleontologist, Mobil Oil Company, Santa Fe Springs, California.
- 1971 Field Geologist, Western Arctic, Mobil Oil Company, Anchorage, AK.
- 1971 Paleontological consultant, North Slope Division, Mobil Oil Company, Santa Fe Springs, California.
- 1972 Research Assistant, Institute of Geophysics and Planetary Physics, University of California, Riverside, California.
- 1972-74 Instructor, Extension Program, adult continuing education, University of California, Riverside, California.
- 1973 Instructor, University of California, Riverside, summer field camp, Roberts Mts., Nevada.
- 1970-74 Research Assistant, Department of Geological Sciences, University of California, Riverside, California.
- 1974-75 University Postdoctoral Fellow, The Ohio State University, Columbus, Ohio.
- 1975-80 Research Associate, Institute of Polar Studies, The Ohio State University, Columbus, Ohio.
- 1980-82 Senior Research Associate, Institute of Polar Studies, The Ohio State University, Columbus, Ohio.
- 1982-84 Research Scientist, Institute of Polar Studies, The Ohio State University, Columbus, Ohio.
- 1983-85 Research Associate, Department of Geosciences, Purdue University, West Lafayette, Indiana.
- 1985-88 Assistant Professor, Department of Earth and Atmospheric Sciences, Purdue University, West Lafayette, Indiana.
- 1988-1991 Associate Professor, Department of Earth and Atmospheric Sciences, Purdue University, West Lafayette, Indiana.
- 1991-present Full Professor, Department of Earth and Atmospheric Sciences, Purdue University, West Lafayette, Indiana.

### **Field Experience:**

#### *Antarctica*

Since 1975, I have participated or led ten field parties to Antarctica to investigate the Late Cretaceous and Early Tertiary faunas on Seymour Island, Antarctica Peninsula and the South Orkney islands in South Atlantic and in the McMurdo Sound region, Antarctica. Eight of these field seasons (1975, 1982, 1984, 1985, 1987, 1989, 1993, and 1995) have been to Seymour Island. I was chief scientist on the five expeditions sponsored by the Office of Polar Programs, National Science Foundation. The other three field seasons as an invited scientist with the Instituto Argentino Antártico. My other two field seasons in Antarctica were to the South Orkney Island in 1976 on the R/V Hero and to McMurdo region in 1981.

### *Southern South America*

Beginning in 1975, I have conducted six field seasons (twice in 1975, 1976, 1978, 1981, 1983) in Patagonia, Tierra del Fuego, southern Argentina, and to central Chile to study the Early Tertiary marine faunas. In addition to these field seasons, I was chief scientist on two cruises on the RN Hero, 1978 along the coast of Patagonia and 1984 to the Tres Monte region in the Chilean Canals, southern Chile.

### *Arctic Canada*

Between 1984 and 1987, I carried a research program to investigate the Late Cretaceous-Early Tertiary faunas of the Canadian Arctic. This program involves three field seasons (1984, 1985, and 1986) to Ellesmere and Banks islands. This research program was conducted in cooperation with the Canadian Polar Shelf Project.

### *Miscellaneous field activities.*

I have conducted a number of minor field programs in South Australia, New Zealand and Alaska since the 1970s. In 2003, I participated on field party with Monash University to the Chatham Islands, New Zealand to investigate the recent discovery of a Late Cretaceous bone bed near the KT boundary

## **Grants:**

### Current

"A fully geographically and stratigraphically resolved Cretaceous - Tertiary biostratigraphic database from Seymour Island", NSF grant OPP; Collaborative research with the University of California, Riverside:

### Past Grants

"Biostratigraphy of the northern Antarctic Peninsula and adjacent islands, Antarctica", NSF grant DPP 7421509-AO3, Co-principal investigator.

"Geology and geophysics of the Mesozoic and Cenozoic basins of the Antarctic Peninsula and the Scotia Arc area, Antarctica." NSF grant DPP 7623427, Co-principal investigator.

"Late Cretaceous and Early Tertiary biogeography of the southern circum-Pacific." NSF grant DPP 7721585AOI, Principal investigator.

"Early Cenozoic biogeography of the Ross Sea Sector of Antarctica and Tasmania." NSF grant DPP 7920215AO1, Principal investigator.

"Geochronology of the Tertiary marine sequence of southern South America." NSF grant EAR 8018356, Principal investigator.

"Invertebrate faunas of raised terraces: Paleontological evidence of Quaternary ocean circulation and climate off Peru." NSF grant EAR 8019464, Co-principal investigator.

Supplementary funding of "Early Cenozoic biogeography of the Ross Sea Sector of Antarctica and Tasmania, NSF grant DPP 8108950, for R/V Hero cruise to Peninsula Valdez, Antarctica.

"Paleontologic and geologic history of the James Ross Island basin, Antarctica." NSF grant DPP 8213985AO1, Co-principal investigator.

"Late Cretaceous-Early Tertiary geology and biostratigraphy of the James Ross Island Basin, Antarctica." NSF grant DPP 8020096A02, Co-principal investigator.

"Early Tertiary Biogeography of the High Arctic." NSF grant DPP 8219329, Principal investigator.

Supplementary funding to "Late Cretaceous-Early Tertiary geology and biostratigraphy of the James Ross Basin, Antarctica." NSF grant DPP 82144165, for preparation of a topographic map of Seymour Island, Co-principal investigator.

"Late Cretaceous biostratigraphy of southern Patagonia and Tierra del Fuego." NSF grant EAR 8413569, Co-principal investigator. (Joint grant with University of South Carolina.)

"Early Tertiary Biogeography of the High Arctic". NSF grant DPP 8419329, Principal Investigator. Group travel grant for U.S. participants to attend Geological Society of London Symposium on the Origin and Evolution of the Antarctic Biota. NSF grant 8719840.

"Evolutionary changes across the Cretaceous/Tertiary boundary on Seymour Island, Antarctic Peninsula." NSF grant DPP 8416783A4, Principle Investigator.

"Molluscan Transition across the K/T Boundary and Early Paleocene Recovery, Seymour Island, Antarctica." NSF grant DPP 90168 1

"Molluscan Transition Across the K/T Boundary and Early Paleocene Recovery, Seymour Island, Antarctica." NSF grant 9259001.

"Molluscan Transition Across the K/T Boundary and Early Paleocene Recovery, Seymour Island, Antarctica". DPP 9417776. 6/1/94-6/30/95,

"A Study of Hydrodynamic Behavior of Shells". Purdue Research Foundation grant 690-1397-2155.

"High Resolution Biostratigraphic Analysis of Molluscan Fauna Across the K/ T1 Boundary of Seymour Island, Antarctica". 5/1/95-4/30/96,

"Molluscan Transition Across the K/T Boundary and Early Paleocene Recovery, Seymour Island, Antarctica." NSF grant OPP 9417776.

"Recovery of early Danian Molluscan faunas on Seymour Island from KT Mass Extinction even." NSF grant ODP9814533.

### **Travel and Miscellaneous Grants:**

1971 Mobil Oil Company research grant for Paleozoic biostratigraphic study of the "Lisburne Group, Alaska."

1972 Geological Society of America Travel Grant, Cordilleran Section meeting in Honolulu, Hawaii.

1973 National Academy of Sciences Travel Grant, IX International Congress for Quaternary Research, Christchurch, New Zealand.

- 1975 Office of Polar Programs International Travel Grant, 6th Congreso Geologico Argentino, Argentina.
- 1976 Tertiary molluscan biostratigraphy of Tierra del Fuego and Patagonia. National Geographic Society.
- 1976 Visiting Scholar, University of Chile, Santiago, September-November.
- 1979 Division of Polar Programs International Travel Grant, 14th Pacific Science Congress, Khabarovsk, Soviet Union.

### **Publications:**

- 1970 W.J. Zinsmeister. A Late Pliocene macrofossil fauna of Newport Beach, California, Orange County, California. Bulletin. Southern California Academy Sciences, 69(3-4): 121-125.
- 1972 W.J. Zinsmeister. New Interpretation of the marine faunal anomalies of the California Pleistocene based on molluscan larval distribution. Geological Society of America, Abstracts with Programs, 4(3): 268.

--Zinsmeister, W.J., New interpretation of the marine faunal anomalies of the California pleistocene based on molluscan larval distribution; cordilleran section, 68<sup>th</sup> annual meeting. Abstracts with Programs - Geological Society of America, 4(3), 268.

- 1973 W.J. Zinsmeister. The effect of Pleistocene sea level changes on the development of the Hawaiian shallow-water molluscan fauna. IX International Congress for Quaternary Research, Christchurch, New Zealand, pp. 414-415.

W.J. Zinsmeister. New interpretation of the marine faunal anomalies of the California Pleistocene based on molluscan larval distribution. Western Society of Malacologists Echo, 5.45-46.

- 1974 W.J. Zinsmeister. A new interpretation of thermally anomalous molluscan assemblages of the California Pleistocene. Journal of Paleontology, 48(1): 84-94.

W.J. Zinsmeister. The first occurrence of the Cretaceous genus *Pulvinites* (Class: Bivalvia) in the Tertiary and a re-evaluation of the family Pulvinitidae. Geological Society of America, Abstracts with Programs, 4 6(3): 279-280.

- 1975 D.E. Elliot, C. Rinaldi, W.J. Zinsmeister, T.A. Trautman, W.A. Bryant, and R. del Valle. Geological investigations on Seymour Island, Antarctic Peninsula. Antarctic Journal of the United States, 10(1): 84-94.

W.J. Zinsmeister. The *Struthiolaria nordenskjoldi* lineage on Marambio (Seymour) Island. IV Congreso Geologico Argentino. Bahia Blanca, Argentina, p. 58.

--Zinsmeister, W.J., Biostratigraphy of the upper paleocene (thanetian) molluscan fauna of the Simi Hills, Ventura County, California. Abstracts with Programs - Geological Society of America, 73(3), 391-392.

- 1976 W.J. Zinsmeister. Intertidal region and molluscan fauna of Seymour Island, Antarctic Peninsula. *Antarctic Journal of the United States*, 11(4):222-225.

W.J. Zinsmeister. The Struthiolariidae (Gastropoda) fauna from Seymour Island, Antarctic Peninsula. *Actas Sexto Congreso Geologico Argentino, Bahia Blanca, Argentina*, p. 609-618.

W.J. Zinsmeister. A new genus and species of the gastropod family Struthiolariidae, *Antarctodarwinella* dM, from Seymour Island, Antarctica. *Ohio Jour. Sci.*, 76(3): 111 -113.

- 1977 W.J. Zinsmeister. First occurrence of *Volutocorbis* Dall in the Tertiary of western North America and a review of the subgenus *Retipirula* Dall (Mollusca: Gastropoda). *Journal of Paleontology*, 51(1):177-180.

W.J. Zinsmeister. Note on a new occurrence of the southern hemisphere aporrhaid gastropoda *Struthioptera* Finlay and Marwick on Seymour Island, Antarctica. *Journal of Paleontology.*, 51(2):399-404.

I.W.D. Dalziel, D.H. Elliot, J.W. Thomson, M.R.A. Thomson, N.A. Wells, W.J. Zinsmeister. Geologic studies in the South Orkney Islands. RIV Rero Cruise 77-1, January 1977. *Antarctic Journal of the United States*, 12(4):98-101.

W.J. Zinsmeister. The formation of the West Antarctic Ice Sheet and its effect on the Miocene Molluscan faunas of southern and central Chile. *Geological Society of America, Abstracts with Programs*, 9(7):1240-1241.

- 1978 W.J. Zinsmeister. The effect of the formation of the West Antarctic Ice Sheet on the development of the shallow-water marine faunas along the coast of Chile. *Antarctic Journal of the United States*, 13(4): 25-26.

W.J. Zinsmeister. Eocene nautiloid fauna from the La Meseta Formation of Seymour Island. *Antarctic Journal of the United States*, 13(4): 24-25.

W.J. Zinsmeister. Three new species of *Pulvinites* (Mollusea:Bivalvia) from Seymour Island and southern California. *Journal of Paleontology*, 52(3): 565-569.

D.H. Elliot, W.J. Zinsmeister, and S.A. Hall. Biostratigraphy of Seymour Island, Antarctica. *Nature, Matters Arising Section*, 271: 586.

W.J. Zinsmeister. Review of the bivalve genus *Pholadomya* from the Tertiary of California and the description of two new species. *Veliger* 21(2): 232-235.

W.J. Zinsmeister. Review of the Neogene of the Pacific margin of Antarctica. Abstracts and Program, Correlation of tropical through high latitude marine Neogene deposits of the Pacific Basin. Stanford University Publication, Geological Science, 14: 63-64.

W.J. Zinsmeister. The problem of environmental stress in establishing time-stratigraphic boundaries based on shallow-water benthic organisms. Geological Society of America, Abstracts with Programs, 10(7): 522.

- 1979 W.J. Zinsmeister. Biogeographic significance of the Late Mesozoic and Early Paleogene molluscan faunas of Seymour Island (Antarctic Peninsula) to the final breakup of Gondwanaland. in: Historical Biogeography, Plate Tectonics and the Changing Environment, Proc. 37th Annual Biology Colloquium and Selected papers, Eds. Gray, J. and A. Boucot, Corvallis, Oregon State University Press, pp. 349-355.

W.J. Zinsmeister and W.O. Emerson. Role of passive dispersal in the distribution of hemipelagic invertebrates, with examples from the tropical Pacific. *Veliger*, 22(1): 32-41.

D.B. Blake and W.J. Zinsmeister. Two Early Cenozoic sea stars (Class Asteroidea) from Seymour Island, Antarctic Peninsula. *Journal of Paleontology*., 53(5). 1145-1154.

W.J. Zinsmeister, H. H. Camacho, R. Drake, L. D. Marshall, W. M. Rogenthen Geological studies along the Patagonian coast, R/V Hero cruise 78-3, July 1978. *Antarctic Journal of the United States*, 14(5): 11-13.

W.J. Zinsmeister. Changes in diversity and composition of shallow-water molluscan faunas of the southeast Pacific resulting from the final breakup of Gondwanaland during the Early Tertiary. Geological Society of America, Abstracts with Programs, 11(7): 547.

W.J. Zinsmeister. Late Cretaceous-Early Tertiary history of the austral gastropod family Struthiolaridae and its significance to our understanding of the biogeography of the southern circum-Pacific. Geological Society of America, Abstracts with Programs, 11(3): 137.

--Zinsmeister, W.J., The effect of the formation of the west antarctic ice sheet on the development of shallow-water marine faunas in southern south America; XIV Pacific Science Congress; stratigraphy and paleobiogeography of the pacific ring's cenozoic. Abstracts of Papers - Pacific Science Congress, no. 14, vol.2, 157-159.

- 1980 W.J. Zinsmeister. Marine terraces of Seymour Island Antarctic Peninsula. *Antarctic Journal of the United States*, 15(5):25-26.

W.J. Zinsmeister and H.H. Camacho. Late Eocene Struthiolaridae (Mollusca: Gastropoda) from Seymour Island, Antarctic Peninsula and their significance to the biogeography of the Early Tertiary shallow-water faunas of the southern circum-Pacific. *Journal of Paleontology*, 54(1): 1-14.

B.L. Welton and W.J. Zinsmeister. Eocene neoselachians from the La Meseta Formation, Seymour Island, Antarctic Peninsula. *Los Angeles County Museum, Contributions in Sciences.*, 329, 1-10.



W.J. Zinsmeister. Observation on the predation of the clypeastroid echinoid, *Monophoraster darwini* from the Upper Miocene Entrerrios Formation, Patagonia, Argentina. *Journal of Paleontology*, 54(5):910-912.

W.J. Zinsmeister and H H. Camacho. La fauna de moluscos de la formacion La Maseta (Eoceno superior hasta, posiblemente, Oligoceno inferior) Isla Vicecomodoro Marambio, Peninsula Antarctica. *Actas del Segunda Congreso Argentino de Paleont. y Biostrat., Primer Congreso Latinoamericano de paleontologia, Assoc. Paleont. Argent., 2: 205-212.*

- 1981 I.W.D. Dalziel, D.E. Elliot, D.L. Jones, J.W. Thomson, M.A.R. Thomson, N.A. Wells and W.J. Zinsmeister. The geological significance of some Triassic microfossils from the South Orkney Islands, Scotia Ridge. *Geological Magazine*, 118(1):15-25.

W.J. Zinsmeister, L.G. Marshall, R.E. Drake and G.H. Curtis. First radioisotope (Potassium-Argon) age of marine Neogene Rionegro beds in northeastern Patagonia, Argentina. *Science*, 212:440.

W.J. Zinsmeister. Middle to Late Eocene invertebrate fauna from San Julian Formation at Punta Casamayor, Santa Cruz Province, southern Argentina. *Journal of Paleontology*, 55(5):1083-1102.

- 1982 W.J. Zinsmeister and H.H. Camacho. Late Eocene (to possibly earliest Oligocene) molluscan fauna of the La Meseta Formation of Seymour Island. In: *Antarctic Geosciences* (C. Craddock, ed.), International Union of Geological Sciences, Series B, no. 4, pp. 299-305.

W.J. Zinsmeister. Late Cretaceous-Early Tertiary molluscan biogeography of the southern circum-Pacific. *Journal of Paleontology*, 56(1):84-102.

W.J. Zinsmeister. Geological observations of the recently discovered marine Tertiary sequence at Cape Melville, King George Island, Antarctic Peninsula. *Antarctic Journal of the United States*, 17(5): 40.

W.J. Zinsmeister. First Seymour Island Expedition to the James Ross Island area, Antarctic Peninsula. *Antarctic Journal of the United States*, 17(5): 63-64.

W.J. Zinsmeister and T. DeVries. Observations on the stratigraphy of the Lower Tertiary Seymour Island Group, Seymour Island, Antarctic Peninsula. *Antarctic Journal of the United States*, 17(5): 71-72.

S. Chattejee and W.J. Zinsmeister. Late Cretaceous marine vertebrates from Seymour Island, Antarctic Peninsula. *Antarctic Journal of the United States*, 17(5): 66.

W.J. Zinsmeister and Peter N. Webb. Cretaceous-Tertiary geology and paleontology of Cockburn Island, Antarctic Peninsula. *Antarctic Journal of the United States*, 17(5): 41-42.

W.J. Zinsmeister. Review of the Upper Cretaceous-Lower Tertiary stratigraphy of Seymour Island. *Journal Geological Society London*, 139(6):779-786.

J.T. Smith and W.J. Zinsmeister. Discovery of Nodipmte from the Early Miocene of Patagonia and its significance to the Neogene biogeography of the eastern Pacific. Geological Society of America, Abstracts with Programs, 14(4): 235.

--Zinsmeister, W.J. and DeVries, T.J., Observations on the stratigraphy of the lower tertiary Seymour Island group, Seymour Island, Antarctic Peninsula. Antarctic Journal of the United States, 17(5), 71-72.

1983 W.J. Zinsmeister. Biogeographic history of the Neogene molluscan faunas along the southwestern coast of South America. Pacific Science Association, 15th Congress, Dunedin, New Zealand, 2: 262-263.

W.J. Zinsmeister. Late Cretaceous-Paleogene geologic history of the southern circum-Pacific - a review. Pacific Association, 15th Congress, Dunedin, New Zealand, 1: 14-15.

M.O. Woodburne and W.J. Zinsmeister. Fossil land mammal from Antarctica. Science, 218:284-286.

W.J. Zinsmeister. Late Paleocene ("Martinez provincial stage") molluscan fauna from the Simi, Ventura County, California. In: R. R. Squires and M. V. Filewicz, eds., Cenozoic Geology of the Simi Valley area, Southern. California Society of Economic Paleontology and Mineralogy, pp. 61-70.

W.J. Zinsmeister. New Paleocene molluscs from the Simi Hills, Ventura County, California. Journal of Paleontology, 57(6): 1282-1303.

M.O. Woodburne and W.J. Zinsmeister. A new marsupial from Seymour Island, Antarctic Peninsula. In: R. L. Oliver, P. R. James, and J. B. Jago. eds., Antarctic Earth Sciences. Australian Academy of Sciences, Canberra, pp. 320-322.

--Feldmann, R.M. and Zinsmeister, W.J., New crabs from the la meseta formation (eocene) of Antarctica; biogeography and paleocology; the Geological Society of America, 96<sup>th</sup> annual meeting. Abstracts with Programs - Geological Society of America, 15(6), 571.

1984 W.J. Zinsmeister. Unusual periglacial features on Seymour Island, Antarctic Peninsula. Antarctic Journal of the United States, 17(5): 66-69.

C.E. Macellari and W.J. Zinsmeister. Sedimentology and macropaleontology of the Late Cretaceous to Paleocene sequence of Seymour Island. Antarctic Journal of the United States, 17(5): 69-71.

W.J. Zinsmeister and C.E. Macellari. Changes in the macro-fossil faunas across the Cretaceous-Tertiary boundary on Seymour Island, Antarctic Peninsula. Antarctic Journal of the United States, 17(5): 68-69.

T.J. DeVries, J.M. Zawiskie and W.J. Zinsmeister. Expedition to Valdez: Miocene stratigraphy and recent silled basins. Antarctic Journal of the United States, 17(5): 76-78.

W.J. Zinsmeister and R.M. Feldmann. Cenozoic high-latitude heterochroneity of southern hemisphere marine faunas. Science, 224: 281-283.

W.J. Zinsmeister. Tertiary molluscan faunas from Tierra del Fuego and southwestern Patagonia. National Geographic Society, Research Reports. 1975 Projects, pp. 816-823.

P-M. Feldmann and W.J. Zinsmeister. First occurrence of fossil decapod crustaceans (Callianassidae) from the McMurdo Sound region, Antarctica. *Journal of Paleontology*, 58(4): 1041-1045.

R.M. Feldmann and W.J. Zinsmeister. Fossil crabs (Decapoda: Brachyura) from the La Meseta Formation (Eocene) of Antarctica: paleogeographic and biogeographic implications. *Journal of Paleontology*, 58(4): 1046-1061.

M.O. Woodburne and W.J. Zinsmeister. The first land mammal from Antarctica and its biogeographic implications. *Journal of Paleontology*, 58(4): 913-948.

W.L Zinsmeister. Late Eocene Bivalves (Mollusca) from the La Meseta Formation, Seymour Island, Antarctica collected during the 1974-1975 joint Argentine-United States Expedition to Seymour Island. *Journal of Paleontology*., 58(6): 1206-1230.

W.J. Zinsmeister. Geology and paleontology of Seymour Island, Antarctic Peninsula. *Antarctic Journal of the United States*, 19(2): 1-5.

T.J. DeVries, L.S. Stott, W.J. Zinsmeister. Neogene fossiliferous deposits in southern Chile. *Antarctic Journal of the United States*, 19(2): 12-13.

W.J. Zinsmeister and R. M. Feldmann. Role of high latitude heterochroneity in the evolution of modern marine faunas. *Geological Society of America, Abstracts with Programs*, 16(6): 705.

R.M. Feldmann and W.J. Zinsmeister. Tolerance of seasonality as a key to dispersal opportunities: examples from the Eocene of Antarctica. *Geological Society of America, Abstracts with Programs*, 16(6): 507.

--Macellari, C.E. and Zinsmeister, W.J., Sedimentology and macropaleontology of the upper cretaceous to paleocene sequence of Seymour Island. *Antarctic Journal of the United States*, 18(5), 69-71.

Zinsmeister, W.J., Unusual periglacial features on Seymour Island, Antarctic Peninsula. *Antarctic Journal of the United States*, 18(5), 66-67.

Zinsmeister, W.J. and Feldmann, R.M., Role of high latitude heterochroneity in the evolution of modern marine faunas; the Geological Society of America, 97<sup>th</sup> annual meeting. *Abstracts with Programs - Geological Society of America*, 16(6), 705.

1985 W.J. Zinsmeister. Geology of the northern Chilean Canals: Hero cruise 84-6. *Antarctic Journal of the United States*, 20(4): 16-17.

W.J. Zinsmeister. 1985 Seymour Island expedition. *Antarctic Journal of the United States*, 20(5): 41-42.

W.J. Zinsmeister. Unusual occurrence of nautilids from the Upper Eocene La Meseta Formation Seymour Island. *Ant. Jour. of U.S.*, 20(5): 43-44.

J.M. Chambers, L.A. Krissek and W.J. Zinsmeister. Sedimentology of the Miocene-Pliocene Navidad Formation, Central Chile. *Geological Society of America, Abstracts with Programs*, 17(5): 204.

L. Marincovich and W.J. Zinsmeister. Paleogene Climate of the Arctic Ocean. *Geological Society of America, Abstracts with Programs*, 17(7): 653.

R.M. Feldmann, L.A. Weidman and W. J. Zinsmeister. Fauna and paleoecological setting of the la Meseta Formation, Antarctica. *Geological Society of America, Abstracts with Programs*, 17(7): 5 80.

E.J. Barron, D. Beeson, P. Chen, R.V. Dingle, L.A. Frakes, E.G. Kauffman, S. Petri, R.A. Reymont, A.C. Ricardi, U.A. Vakhrameev and W.J. Zinsmeister. Global Cretaceous, plate tectonics and paleogeography. *Geological Society of America, Abstracts with Programs*, 17(7): 519.

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