

UNITED STATES BOARD ON GEOGRAPHIC NAMES
UNDERSEA FEATURE NAME PROPOSAL

NAME PROPOSED:
LOCATION:
Ocean or Sea:

Coordinates:

point feature or center point: Lat. N Long. W
linear feature(from): Lat. S Long. W
linear feature (to-midpoint or turning point): Lat. N Long. W
linear feature (to): Lat. N Long. W
areal feature
Northeast corner: Lat. N Long. W
Southeast corner: Lat. N Long. W
Southwest corner: Lat. S Long. W
Northwest corner: Lat. S Long. W

DESCRIPTION:

Feature type: Size and shape:
Depth (max. and min.): Steepness, etc.:
Associated features:

CHART OR MAP REFERENCE:

Name and feature shown on:
Feature shown but not named on:

REASON FOR CHOICE OF NAME:

DISCOVERY FACTS:

Date: Discoverer (individual, ship):
Sounding equipment used: Navigation type:
Estimated horizontal accuracy: \pm
Track spacing, crossings:

SUPPORTING MATERIALS: Please enclose references, reprints profiles, maps, etc.

SUBMITTED BY:

Organization and address:

Please submit to:

Executive Secretary
US Board on Geographic Names
National Geospatial-Intelligence Agency
4600 Sangamore Road Mail Stop D-167
Bethesda MD 20816-5003 USA

*Contact Ann Morey Ross
if more info. is needed:
541-737-5214
or morey@coas.oregonstate.edu*



College of Oceanic & Atmospheric Sciences

Oregon State University

104 COAS Admin Bldg • Corvallis, Oregon • 97331-5503
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17 June 2010

To: Sandy Shor (SOEST, Univ Hawaii)
Trent Palmer
From: Nick Pias
Subject: Background information on Peter Kalk

Enclosed please find papers from Peter Kalk's promotion dossier from Oregon State University. This dossier was prepared for Peter's promotion to Senior Faculty Research Assistant in 1998. Because of University regulations, we removed identifying information on letters of recommendation.

Peter was a career technician at OSU joining the College in 1968 and retiring in 2005. Pete sailed as a marine technician on 96 cruises supporting, initially OSU investigators and later became the lead technician of the OSU Marine Sediment Coring group that served the US community. As you can see from the documentation Pete, contributed greatly to the US scientific community and served with distinction.

I hope this information helps in your discussions.

College of Oceanic & Atmospheric Sciences

Request for

Candidate: Peter A. Kalk
Present Position: Research Assistant
Date: September 1998

I. Education

1. Bachelor of Science - Forestry
Michigan Technological University
1962
2. Classes leading towards Master of Forestry degree
Oregon State University
1965 to 1968
3. Welding
Linn-Benton Community College
1974
4. Electronic Fabrication
Linn-Benton Community College
1986

II. Candidate's Statement

I have worked as a sea-going Faculty Research Assistant in Oceanography at Oregon State University for over 30 years. During this time I have conducted research and collected sediment samples on 23 research vessels and submersibles. I have collected many of the cores at the Oregon State University Core Repository as well as cores stored at other oceanographic research institutions. I have designed and helped fabricate numerous piston corers, gravity corers, box corers, multi-corers, grab samplers, and dredges. I have designed core openers and other laboratory apparatuses and have converted several cargo containers to sea-going laboratories. I have maintained and operated refrigerated containers for core storage and compressors, airguns, and waterguns for seismic reflection surveys. In seismic refraction surveys I have assisted in the handling and use of high explosives.

I believe that my experience and education in all aspects of marine geology field operations qualifies me for promotion to the position of Senior Faculty Research Assistant.

III. Scholarship and Service

1. Troop Committee Member
Troop 186, Corvallis, Oregon
Boy Scouts of America
Oregon Trail Council

Oceanographic Equipment Designed and Developed by Pete Kalk

I. Large Diameter Piston Corer

- A. Head Coupler
- B. Core Pipes
- C. Pipe Couplers
- D. Core Catcher
- E. Cutting Nose
- F. Piston
- G. Trigger Arm
- H. Outboard Core Racks
- I. Deck Core Racks
- J. Core Cradle
- K. 600 pound Lead Weights

II. Piston Corer Extruder System

- A. Twin 6" Air Cylinder Extruder
- B. Piston Stop/Extruder Pusher
- C. Push Rods
- D. Hero Platform

III. Large Diameter Gravity Corer

- A. Stainless Steel Weight Stand
- B. PVC Valve
- C. Howitzer Thread Decoupling System
- D. Core Catcher
- E. Cutting Nose
- F. Lead Weights and Mold

IV. Large Diameter Core Splitter

V. Conversion of Cargo Containers to Sea-going Laboratories

- A. Helped with Klinkhammer ZAPS Van
- B. Helped with Piasias Color Trak Van
- C. Helped with Miller Bilogy Van

Cruises
to 1998

Cruise Participation
Peter A. Kalk

No.	Cruise Name	Vessel	Univ	Dates	Work	Area
1	6803-A Hydro	Yaquina	OSU	9-11 Mar 68	Hydro Casts	OR Coast
2	6807-D Nekton	Yaquina	OSU	18-22 July 68	Net tows	OR Coast
3	Y6808-A	Yaquina	OSU	4-6 Aug 68	Hydro Casts	OR Coast
4	C6808-E Sea Grant	Cayuse	OSU	12-23 Aug 68	Biology	OR Coast
5	C6810-A	Cayuse	OSU	2-4 Oct 68	Meteorology	OR Coast
6	Y6810-D Hydro	Yaquina	OSU	9-10 Oct 68	Hydro Casts	OR Coast
7	C6810-C Sea Grant	Cayuse	OSU	22-23 Oct 68	Meteorology	OR Coast
8	C6901-C Sea Grant	Cayuse	OSU	24-31 Jan 69	Biology	OR Coast
9	C6902-C	Cayuse	OSU	11-15 Jan 69	Hydro Casts	OR Coast
10	C6904-B Themis	Cayuse	OSU	10-11 Apr 69	Hydro Casts	OR Coast
11	C6904-C	Cayuse	OSU	11-16 Apr 69	Hydro Casts	OR Coast
12	C6904-D	Cayuse	OSU	19-22 Apr 69	Bottom Current Meas	OR Coast
13	C6904-E	Cayuse	OSU	2-30 Apr 69	Biology	OR Coast
14	Y6906-A	Yaquina	OSU	1-8 June 69	Biology	OR Coast
15	Y6906-C	Yaquina	OSU	18 June-3 July 69	Biol & Chem	OR Coast
16	Y6907-E	Yaquina	OSU	30 July-13 Aug 69	Biol & Chem	OR Coast
17	Y6909-A	Yaquina	OSU	9-19 Sept 69	Biol & Chem	OR Coast
18	Y6909-C	Yaquina	OSU	20-27 Sept 69	Biol & Chem	OR Coast
19	Y6910-E	Yaquina	OSU	22-31 Oct 69	Biol & Chem	OR Coast
20	Y6911-B	Yaquina	OSU	11-20 Nov 69	Biology	OR Coast
21	Y7003-A	Yaquina	OSU	9-14 Mar 70	Biology	OR Coast
22	Y7004-B	Yaquina	OSU	11-12 Apr 70	Biology	OR Coast
23	C7005-C	Cayuse	OSU	10-15 May 70	Biology	OR Coast
24	C7005-D	Cayuse	OSU	16-21 May 70	Biology	OR Coast
25	Y7006-B	Yaquina	OSU	22-30 June 70	Biol & Chem	OR Coast
26	Y7007-A	Yaquina	OSU	6-11 July 70	Biology	OR Coast
27	C7007-D	Cayuse	OSU	27 July-2 Aug 70	Biology	OR Coast
28	C7008-E	Cayuse	OSU	27 Aug-2 Sept 70	Biology	OR Coast
29	Y7011-A	Yaquina	OSU	13-19 Nov 70	Biology	OR Coast
30	Y7104-A	Yaquina	OSU	2-4 Apr 71	Biology	OR Coast
31	Y7104-C	Yaquina	OSU	27 - 28 Apr 71	Biology	OR Coast

32	Y7105-A	Yaquina	OSU	3-14 May 71	Geology	OR Coast
33	Y7106-C	Yaquina	OSU	21 June-10 July 71	Geology Piston Coring	OR, WA & B.C. Coasts
34	Y7107-A	Yaquina	OSU	14-22 July 71	Biology	OR Coast
35	YALOC 71- Leg 7	Yaquina	OSU	23 Jan-24 Feb 72	Geology Piston Coring	E Pac Rise
36	YALOC 71- Leg 8	Yaquina	OSU	26 Feb-12 Mar 72	Geology Piston Coring	Peru Coast
37	Y7209-A	Yaquina	OSU	15-27 Sept 72	Biology	OR Coast
38	Y7211-A	Yaquina	OSU	2-10 Nov 72	Geology Piston Coring	OR Coast
39	RP-2-OC-73 Leg I	Oceanographer	NOAA	17 Feb-3 Mar 73	Geology Piston Coring	Bower Deep
40	Y73051-A Leg 2	Yaquina	OSU	16-26 May 73	Geology Kasten Coring	OR Coast
41	YALOC 73 Leg 1	Yaquina	OSU	12-16 Sept 73	Geology Piston Coring	Santa Barbara Basin
42	YALOC 73 Leg 5	Yaquina	OSU	4-15 Jan 74	Geology Grab Sampling	Chilean Coast
43	YALOC 73 Leg 6	Yaquina	OSU	19 Jan-10 Feb 74	Geology Piston Coring	Chile & Peru Coasts
44	C7405-B	Cayuse	OSU	7-8 May 74	Hydro Casts	OR Coast
45	C7405-D	Cayuse	OSU	13-16 May 74	Hydro Casts	OR Coast
46	YALOC 74 Leg 2	Yaquina	OSU	30 Nov-21 Dec 74	Hydro Casts	OR Coast
47	FDRAKE Leg 3	Melville	SIO	5 Apr-10 May 75	Geology Piston Coring	NE of Hawaii
48	C7508-D	Cayuse	OSU	20-24 Aug 75	Geology Piston Coring Dredging	Peru-Chile Trench
49	Pleiades Leg 2	Melville	SIO	13 June-11 July 76	Geology Gravity Coring	OR Coast
50	W7610 - B	Wecoma	OSU	28 30 Oct 76	Geology Piston Coring	OR Coast
51	WELOC-77 Leg 6	Wecoma	OSU	21 May-18 June 77	Geology Piston Coring	Peru Coast
52	WELOC-77 Leg 7	Wecoma	OSU	29 June-3 July 77	Geology Piston Coring	OR Coast
53	W7710-A	Wecoma	OSU	5-15 Oct 77	Geology Piston Coring	OR Coast
54	W7809-C	Wecoma	OSU	28 Sept-7 Oct 78	Geology Rock Coring	OR Coast
55	R/V Knorr Cruise 73 Leg 12	Knorr	WHOI	15 Dec 78-8 Jan 79	Geology Box Coring	S Ocean off New Zealand

56	W7905A Leg 1	Wecoma	OSU	9-19 May 79	Geology Rock Coring	OR Coast
57	W7905A Leg II	Wecoma	OSU	19-28 May 79	Geology Piston Coring	OR Coast
58	TT141 - II	Old Thompson	UW	8-16 Aug 79	Geology Gravity & Box Coring	N. CA Coast
59	BAJA Vamonos 79	H-1 Mariano Matamoros	Mex. Navy	7-30 Sept 79	Geology Kasten	Sea of Cortez Coring
60	W8007A	Wecoma	OSU	20-23 July 80	Geology Box Coring	OR Coast
61	W8009A	Wecoma	OSU	19-21 Sept 80	Geology Kasten Coring	OR Coast
62	Vulcan Expedition Legs 2, 3, 4	Melville	SIO	4 Oct-27 Nov 80	Geology-Dredging Coring	Peru-Chile Trench
63	W8103-A	Wecoma	OSU	6-19 Mar 81	Geology-Piston & Gravity Coring	N. CA Coast
64	Sea Beam	Surveyor	NOAA	15-26 Mar 82	Geophysics Air Guns	WA Coast
65	BAP 82	El Puma	National U Mex.	20 May-4 June 82	Geology Piston Coring	OR Coast
66	W8306-A	Wecoma	OSU	2-26 June 83	Geology & Geophysics	OR Coast
67	Sea Beam	Surveyor	NOAA	26 Mar-18 Apr 84	Geophysics Air Guns	OR Coast
68	AT 8408	Atlantis II	WHOI	30 July-17 Aug 84	Geology Piston & Rock Coring	OR & WA Coasts
69	MW 8503	Moana Wave	U of HI	2-22 Feb 85	Geology Piston Coring	OR Coast
70	MW 8506	Moana Wave	U of HI	30 Mar-22 Apr 85	Geology Dredging Kasten Coring	Coast of Peru
71	W 8506A	Wecoma	OSU	22 June-2 July 85	Geology & Geophysics	OR Coast
72	TT 198	Old Thompson	UW	29 Apr-31 May 86	Geology & Geophysics	Central Am Coast
73	Hispaniola	Altair	Mexican Navy	11 Sept-23 Nov 86	Geophysics Gravity	Caribbean Sea
74	AII-118	Atlantis II	WHOI	28 Aug-10 Sept 87	Geology & Geophysics	OR Coast
75	W 8709A	Wecoma	OSU	22 Sept-3 Oct 87	Geology Piston Coring	OR Coast
76	AII 118-36 & 37	Atlantis II	WHOI	18 June-13 July 88	Geology & Geophysics	OR & WA Coasts
77	W 8908A	Wecoma	OSU	12-21 Aug 89	Geophysics	OR Coast

78	Ventura Expedition	Thomas Washington	SIO	28 Aug-2 Oct 89	Geology Piston Coring	Eq Pac
79	NH 9003	New Horizon	SIO	1-18 Mar 90	Geology Box Coring	OR Coast
80	Plume Expedition Leg 7	Thomas Washington	SIO	5-26 June 90	Geology Piston Coring	Coast of Venezuela
81	Vents 1990	Atlantis II	WHOI	14 Sept-3 Oct 90	Geology Piston Coring	OR Coast
82	TT 001	Old Thompson	UW	30 July-27 Aug 91	Geology Piston Coring	Cayman Trench
83	W 9205A	Wecoma	OSU	13-17 May 92	Geology Piston Coring	OR Coast
84	Oregon Vents	Jolly Roger	Delta Oceanics	7-16 Aug 92	Geology Coring on Submersible	OR & CA Coasts
85	AII 127 FAZAR	Atlantis II	WHOI	25 Sept-20 Oct 92	Geology Wax Coring ZAPS	Atlantic off Azores
86	TT 013	New Thompson	UW	30 Oct-13 Dec 92	Geology Piston Coring	Eq Pac
87	TT 015	New Thompson	UW	17 Jan-11 Feb 93	Geology Piston Coring	Eq Pac
88	W 9406A	Wecoma	OSU	8-26 June 94	Geology & Geophysics	CA Coast
89	TN 041	New Thompson	UW	28 Oct-21 Nov 94	Geology Piston Coring	Arabian Sea
90	Westward Leg 10	Melville	SIO	29 Jan-13 Mar 95	Geology Dredging Ridge	SE Indian
91	EW 9504	Ewing	LDGO	17 May-7 June 95	Geology Piston Coring	CA Coast
92	TN 057	New Thompson	UW	30 Jan-10 Mar 96	Geology Piston Coring	Off S Africa
93	NBP 9604	Nathaniel B. Palmer	NSF	30 Aug-23 Sept 96	Geology Multi Coring	S Ocean S of N.Z.
94	Genesis Leg 3	Revelle	SIO	23 Feb-5 Apr 97	Geology Piston Coring	Peru-Chile Coasts
95	EW 9709 Ewing	Maurice	LDEO	12 Dec 97-17 Jan 98	Geology Piston Coring	Eq Pac
96	NBP 9802	Nathaniel B. Palmer	NSF	24 Feb-3 Apr 98	Geology Piston Coring	Antarctic - S Ocean S of New Zealand



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December 2, 1998

Dr. G. Brent Dalrymple, Dean
College of Oceanic and Atmospheric Sciences
Oregon State University
Corvallis, OR 97331

Dear Brent:

It is my distinct pleasure to recommend Mr. Peter Kalk for promotion to Senior Research Assistant in the College of Oceanic and Atmospheric Sciences (COAS), Oregon State University. I served as Mr. Kalk's supervisor in the Geological Oceanography Group for a period of 26 years from 1970 to 1996. Because I retired from COAS in 1997, I asked Dr. Nick Piasias to serve as Peter's advisor with Peter's consent. From my own point of view, and I also speak for the 30 graduate students completing degrees under my supervision, Peter Kalk is the one person who is most responsible for the successful collection of geological and geophysical data used in our collective scientific studies of the world's oceans.

I have observed Peter Kalk's exceptional performance in several areas: (1) party chief on dozens of domestic and foreign ocean cruises, (2) designer and fabricator of numerous geological sampling devices which are used on a variety of research vessels, (3) innovator of equipment modification and/or reconstruction during oceanographic cruises, and (4) supervisor for equipment transfer through United States and foreign customs offices. He is one of the indispensable cornerstones in the Geological Oceanography technical pool who has dedicated his career to the development and operation of ocean-going equipment and to the continuing success of scientific programs of the principal investigators in the COAS.

Peter Kalk has a rare talent for designing and fabricating gravity and piston coring equipment that actually works at sea 99.9 percent of the time. This includes the mechanisms that trip and actuate the piston device, the coupling devices, and the cradle assembly that must interface with the configuration of each UNOLS research vessel. For these reasons, Peter Kalk has the deserved reputation as the best coring technician in the entire USA oceanographic community.

In fact, principal investigators from five major oceanographic institutions in the United States have requested the services of Mr. Kalk as their party chief to obtain long piston cores of seafloor sediment from the world's oceans. Mr. Kalk also has considerable experience in the operation and enhancement of geophysical equipment such as air gun arrays used in seismic reflection studies of subsurface structures of the ocean. He has participated in several of these cruises for geophysical investigators, both

internal and external to the COAS. At the conclusion of each geological and geophysical cruise, each chief scientist has expressed to me in oral or written comments their high praise for Mr. Kalk's technical performance at sea, and his dedication to successful acquisition of high quality data for their scientific project.

In retrospect, Peter should have been a co-author on several of journal publications resulting from his dozens of world-wide cruises. This is the only reason that Peter has been reluctant to seek promotion to Senior Research Assistant in the COAS. I respectfully succeeded to his wishes in the past, but always recognized Peter's invaluable contributions to our studies of the oceans. His promotion to Senior Research Assistant is long overdue.



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10-20-98

MEMO TO: COAS Promotion and Tenure Committee

It is my great pleasure to support Mr. Peter Kalk's application for promotion to Senior Research Assistant. Pete has been a research assistant in oceanography since 1971 (at least I think it was that long -- Pete pre-dates me here by at least 23 years). Over that time, COAS has been known throughout the world as a center for long coring. Various faculty members have come and gone in this effort, but Pete is the person who stayed and made coring successful.

If Pete had just been "the guy who goes to sea", then I'm unsure he would have qualified for this promotion. But he is much more than that. Over the years, Pete has designed and constructed most of our coring gear. His designs are consistently innovative. One recent example is a core splitter using vibrating medical saws, both more accurate and safer than past devices. German scientists, following their visit to OSU are now copying this tool. Another example is a design modification to a commercial multicore system that reduced core liner costs from \$1600 per deployment to \$80 per deployment, while improving the quality of the cores.

At sea, many unexpected things happen. Gear is lost or broken, bits and pieces from various institutions don't work together, field conditions exceed equipment tolerances. Without Pete, many field programs would end in disaster. With Pete, new gear is constructed or modified on the spot, sometimes out of unexpected materials, and the program goes on without a hitch. Pete's work ethic is beyond compare. I've NEVER seen anyone work harder or longer than Pete.

Largely because of Pete Kalk's expertise, NSF has funded the OSU group as a national coring facility, including some infrastructure support to make sure the art of coring is maintained and enhanced. Part of NSF's logic in this award was to make sure Pete's salary would be covered through gaps in field programs. It was this important to retain him in the field. Recognizing his unique experience and expertise, Scripps Institution of Oceanography recently invited Pete to San Diego to speak on the history and technology of sediment coring, for the purpose of educating a new generation of marine technicians.

I've heard Pete referred to by Dr. David Rea (ex-NSF Program manager and chair of Geosciences at University of Michigan) as a "national treasure". This is no exaggeration. I doubt that any COAS teaching faculty member facing promotion has been described with such high praise. In recognition of his unique expertise and experience, his long service to COAS and OSU, and his national and international reputation for quality and innovation, I strongly recommend Mr. Peter Kalk for promotion to Senior Research Assistant. This recognition is long overdue.



College of Oceanic & Atmospheric Sciences Oregon State University

104 Ocean Admin Bldg • Corvallis, Oregon • 97331-5503

23 October 1998

Promotion and Tenure Committee
College of Oceanic and Atmospheric Science

For the last 2 years I have acted as Pete Kalk's supervisor. I have known Pete since we first sailed together in 1971 on the *R/V Yaquina*. Since then we have sailed on three other major expeditions, the latest during February 1997. I was very surprised to learn that Pete had not already been promoted to Senior Faculty Research Assistant. Pete informed me that he was discouraged from applying earlier for promotion by the COAS administration because he did not have a masters degree. Thus, I hope this situation can be corrected.

So given that background, it is with great pleasure that I can support Pete's promotion. In short the qualities that make Pete an ideal candidate for Senior Faculty Research Assistant are simple: 1) excellent quality of work; 2) the need to often work independent of direct supervision; and 3) an outstanding representative of COAS at the national and international level.

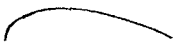
Pete is responsible for the NORCOR marine sediment coring facility. This facility is funded by the National Science Foundation. The program manager did not expect reviews to be supportive of such a simple effort. However, the reviews basically overwhelmed the NSF program manger. With Pete being described as a "national treasure" in one review seemed to be enough. Over the past few years Pete and NORCOR has supported scientists from a large number of institutions with research field programs. These institutions include WHOI, SIO, LDEO, Univ. of Michigan, University of Florida, Brown University, Miami University just to name a few. In all cases Pete did an excellent job delivering services during these field programs and is an outstanding representative of COAS and Oregon State. Prior to any cruise contracted with the facility, Pete is responsible for equipment maintenance, supply inventories and for shipping equipment to and from the ship. He often works with the PI in coordinating shipment of all cruise related supplies. During the field program Pete is responsible for supervising all deck activities for coring operations. Coring rigging, deployment, recovery and initial curation activities are directly supervised by Pete. On many of these cruises, Pete sails as the sole representative of OSU.

While sediment coring requires relatively simple tools, design and fabrication requires careful thought and coordination with machine shops. The NORCOR large diameter piston

core is unique in design allowing easy assembly and flexibility in rigging as sediment type and other operational conditions change. Pete is responsible for designing the coring equipment as well as deck handling gear. This gear needs to be designed so that it can be used on many different ships. Many of the systems designed by Pete are now being used by other US institutions as well as international programs.

Career Research Assistants like Pete are relatively rare in COAS. But all add greatly to our research programs. It would be hard to imagine my field programs without Pete's steady hand on deck and in the machine room. He is an artist at getting ships crews interested in our work and helping get the samples back on board and into the lab. On every cruise the chief engineer has provided scrap steel, motor shims, battery chargers and a number of other miscellaneous items to deal with the common failures and loss of equipment at sea.

It is all these qualities that make Pete an ideal Senior Research Assistant.



Dec. '98

I am delighted to be able to write in favor of promoting Pete Kalk to Senior Research Assistant, and am astonished that he does not hold a senior ranking already. I have been fortunate to have known Pete since the early 1970's when I first arrived at OSU. I have gone to sea with him twice (that I can remember), once early on for one of my thesis cruises to the East Pacific Rise with the Nazca Plate Project, and about 10 years ago with the Pisiias/Mix Venture cruise to the eastern Equatorial Pacific. And I was a shore-bound co-PI of the Moore/Lyle Ewing cruise late last fall that Pete sailed on. I usually find time to chat with Pete on my visits to Corvallis that happen every year or two.

Pete is the best coring technician working at a US, Pacific-based institution. I have not worked with the person at Woods Hole who is reputed to be as good, but there are no others in this league. Taking good long piston cores is, somewhat unfortunately, still an art. Each ship, winch, coring rig, and deck arrangement is different. I have seen Pete come on board a ship, stand and look over the arrangement of gear on deck, tell the operator why what they have been doing is not the optimal setting for coring (this a gentle paraphrase), have all the gear rearranged, and make it work. Now he is well enough known in the sea-going community that others listen the first time, but it has not always been that way.

All ocean scientists know that unexpected problems occur during any sea-going operation, and that the success of a cruise depends to a large degree on how successful the shipboard party is in dealing with these

problems. Coring is a classic example of this, and Pete has an intuitive feel for solutions and has saved many a cruise by his inventiveness. We all ask for his help when we are in a position to do so - most recently for us the Ewing cruise of last fall. No one else can do the job Pete can, so in this sense he is indeed a national treasure.

With all this skill at coring and finding practical solutions to sometimes difficult problems, Pete is also a good shipmate and a fine teacher. In the past decade we have undertaken a large "marine" geology project on the Great Lakes that involves lots of seismic profiling and piston coring. Our first extensive coring cruise happened just a couple of years after I had sailed with Pete on the Venture cruise, and my Venture piston coring lessons with the master corer paid off in spades when we began our work on the Great Lakes. So indirectly, Pete has an influence that extends beyond his own work and assignments to the greater community who have learned from him.

I strongly endorse Pete Kalk's promotion.

Sincerely yours,