



THE NEWSLETTER OF THE U.S. SECTION, PIANC

Permanent International Association of Navigation Congresses

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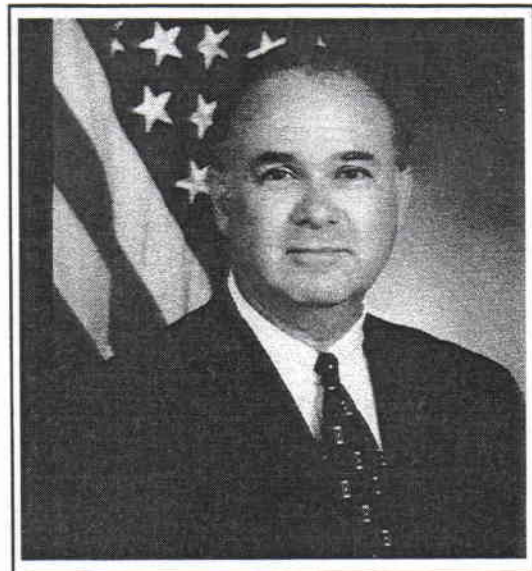
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NOTES FROM THE SECRETARY

- The U. S. Section welcomes **Dr. Joseph W. Westphal** to the position of Assistant Secretary of the Army for Civil Works, and as the Chairman of the U. S. Section. An article on Dr. Westphal, which originally appeared in the **Engineer-Update** begins on page one of this newsletter.
- **Dr. John H. Zirschky**, who served as Acting Chairman of the U. S. Section, following the resignation of The Honorable H. Martin Lancaster, is now the Assistant Administrator for the Risk Management Agency, the Department of Agriculture. He left his position as Deputy Assistant Secretary of the Army for Civil Works in late July and reported to his new

DR. WESTPHAL SWORN IN AS NEW SECRETARY

by Bernard Tate



Dr. Joseph W. Westphal was sworn in as the new Assistant Secretary of the Army (Civil Works) (ASA(CW)) in a private ceremony by Robert M. Walker, Acting Secretary of the Army, on June 17. Westphal's previous job was Senior Policy Advisor for Water at the Environmental Protection Agency (EPA).

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position on August 4, 1998. We wish him well in his new post.

- The new Deputy Assistant Secretary of the Army for Civil Works is **Mr. Brian Burke**. Mr. Burke was formerly the Deputy Under Secretary of Agriculture for Forestry in the Department of Agriculture.
- The U. S. Section regrets the resignation of two dedicated members who have been serving in very important positions as the U. S. representatives to technical committees. **Mr. Anson Eickhorst**, Principal U. S. Representative to the Permanent Technical Committee I, retired from the Corps of Engineers in 1997 with the intention of continuing his eight years of work with PIANC. His current career responsibilities as a financial advisor is an activity to which he must devote his full attention. For now, Mr. Eickhorst will not be involved in water resources issues. **Mr. Thorndike Saville, Jr.**, who has been the Principal U. S. Representative to the Permanent Technical Committee II, has submitted his resignation after he served seven years providing liaison between the U. S. Section and the Secretariat on technical working groups that deal with coastal and deep-draft subjects. Both representatives have made significant personal and professional contributions to the association. In appreciation for their service, **Major General Russell L. Fuhrman** will present the **Commander's Award for Public Service** to each gentleman in separate ceremonies.
- The Spanish Section of PIANC is publishing selected working group reports in Spanish. The U. S. Section has a limited number of copies of the reports of Working Group 12, **The Performance and Design Parameters of Ruble Mound**

Breakwaters, and Working Group 19, **Beneficial Uses of Dredged Material**. A member who would like a copy of either of these reports may submit a request to the Office of the U. S. Section of PIANC.

- **Mr. Dennis Morgan**, a Civil Engineer with the St. Louis District, will be the speaker at the annual PIANC Breakfast at the meeting of the National Waterway Conference (NWC), Inc. in New Orleans. Mr. Morgan will talk on the photogrammetry project that is underway in the District. The PIANC Breakfast will be held on September 24, 1998, the second day of the NWS meeting.
- **Dr. Orson P. Smith** has notified us that he has resigned from the Corps of Engineers and taken a position as Associate Professor in the School of Engineering, University of Alaska, Anchorage. He will be teaching both undergraduate and graduate courses and continuing his research on sea ice and ice engineering. Dr. Smith is the U. S. Section representative to Working Group 38, **Polar Navigation**. He began his employment with the Corps of Engineers in 1973 in the Alaska District. He has also worked at the Coastal Engineering Research Center at the Waterways Experiment Station and in the Anchorage office of the Cold Regions Research Engineering Laboratory. Dr. Smith is a registered engineer in Alaska and in North Carolina. He will continue serving as chairman of the PIANC working group.
- **Breakwaters '99** will be held 8-10 September 1999 in Madison, Wisconsin. The conference, which is being organized by **Mr. Orville T. Magoon** and **Mr. James D. Prehn**, is being co-sponsored by the U. S. Section of PIANC, the Coastal

Zone Foundation and other organizations. **Mr. Prehn**, who is with **W. F. Baird & Associates**, is the U. S. Section representative to Permanent Technical Committee II, Working Group 39, **Monitoring of Breakwaters**.

Westphal, continued from Page 1

President Bill Clinton nominated Westphal on March 4, and the Senate confirmed his appointment June 9. He will have a public swearing-in in the near future.

As ASA(CW), Westphal is responsible for:

- The Department of the Army Civil Works program for conservation and development of navigation water resources, including flood control, navigation, and shore protection.
- Policy and program direction of Arlington National Cemetery.
- U.S. Army Corps of Engineers' civil works support for other agencies.
- Program direction of the Corps' foreign activities, except those exclusively in support of the U.S. military forces abroad.

Westphal graduated from Adelphi University in New York with a degree in political science. He received his Ph.D. in political science with a minor in economics from the University of Missouri-Columbia.

From 1975 to 1987, Westphal was a professor of political science at Oklahoma State University. In 1983, he became the head of the department. While on leave from the university, he held several positions with the federal government including special assistant to the Chairman of the U.S. House Committee on the Budget in 1981; policy analyst and special assistant to the Assistant Secretary for Land and Water resources at the Department of the Interior in 1982, and to the Secretary of the Interior in 1983; and a visiting scholar to

the Institute for Water Resources of the U.S. Army Corps of Engineers.

Westphal has been a consultant to various federal agencies including the Corps, U.S. Information Agency, the Agency for International Development, and the Department of the Interior.

Before his appointment to the EPA, Westphal was Special Assistant to Sen. Thad Cochran, chairman of the Congressional Sunbelt Caucus. Westphal directed the activities of the caucus from 1988 to 1997.

Westphal is an Adjunct Professor of Government at Georgetown University in Washington, D.C. He is married to the former Linda McMaster. They have four children--James, Helen, Amy, and Lindsay.

The new Deputy ASA(CW) is Brian Burke, who comes from the Department of Agriculture where he was the Deputy Under Secretary of Agriculture for Forestry. Most recently, Burke has been coordinating federal support of the forest fire fight efforts in Florida.

Bernard Tate is the editor of the **Engineer Update**.



PIANC representatives from the U. S. Section and Canadian Section who attended the International Conference on Rehabilitation of Harbour Areas. The conference, which was sponsored by the Portuguese Section of PIANC, was held June 8-9, 1998, at the National Laboratory of Civil Engineering in Lisbon.

Invited papers were presented by speakers from eight countries. Pictured from left are: *Norman E. (Ed) Eryuzlu*, Director of Waterways Development, Canadian Coast Guard; *Jack C. Cox*, Engineering Manager, Michael Baker Corporation; *Fred A. Klancnik*, Senior Vice President, JJR Incorporated; *Dr. John E. Kashiwabara*, Commissioner, The Port of Long Beach; *Harold J. (Hal) Hilliard*, Marketing Manager, The Port of Long Beach; and *Peter Jolowicz*, P. E., Port Planner/Project Analyst. Jack Cox and Fred Klancnik were co-authors of an invited paper on harbor regeneration in the United States.

HARBOR REHABILITATION CONFERENCE

The Portuguese Section of PIANC sponsored a conference on the rehabilitation of harbor areas in Portugal on June 8 and 9, 1998. Held at the National College of Civil Engineering in Lisbon, the conference included presentation and discussion of invited papers.

Harbor rehabilitation may emphasize two points of view. First, the rehabilitation of degraded or abandoned harbor areas that have been restored to their former uses or preparing areas for different uses. The second point of view, which was the subject of this conference, is use of harbor areas for completely different purposes from their original design.

Authors of papers represented France, Germany, Portugal, Spain, Sweden, The Netherlands, the United Kingdom, and the United States. An additional paper was presented by Mr. Conti of Italy on Working Group 9 of the Commission for Sport and Recreational Navigation. Presentations included discussion of urban development, new links between ports and towns, revitalizing old shipyards, and use of former commercial harbor facilities for recreational boating.

The U.S. paper was presented by its co-authors, Mr. Jack C. Cox (Michael Baker, Corp., Alexandria, Virginia) and Mr. Fred Klancnik (Johnson, Johnson and Roy, Madison, Wisconsin). Their paper discusses neglected port areas which are becoming valuable resources as new urban growth replaces abandoned industrial uses. Two examples, one in Racine, Wisconsin, and another in Bellingham, Washington, illustrate the paths followed by the two communities, which rediscovered their waterfront areas. A

copy of this paper may be obtained by submitting a request to the Office of the U.S. Section of PIANC.

SUPER TERMINAL--A PUBLIC/ PRIVATE PARTNERSHIP

The building of the Super Terminal - Memphis, a 1,000+ acre intermodal freight project, will not only benefit the State of Tennessee, but the entire United States and North America.

Congestion and the subsequent delays in moving freight often create a negative impact nationally and threaten United States competitiveness in the world marketplace. Memphis is a key cargo hub strategically located in the center of the United States. For the sixth consecutive year, the Port of Memphis has broken all previous tonnage records-- 18 million tons in 1997. The Super Terminal - Memphis will create a vital link between the growing economies of the Mid-South and Southeast U.S. to the global trading community on either coast of the USA, to our neighbors throughout North America and beyond to South America, Asia, and Europe.

This project will consolidate the railyards of six of the five Class I railroads currently serving Memphis into a new, state-of-the-art facility. It will be constructed on land owned by the City of Memphis and Shelby County and managed by the Port of Memphis. The Super Terminal - Memphis will:

- Reduce truck traffic in the City of Memphis.
- Create a more efficient traffic pattern for the national rail system.
- Reduce congestion.
- Reduce overall transportation costs.

The \$360 million Super Terminal - Memphis is a true partnership between the

public and private sectors. The private sector, using commercial financing, will provide \$200 million for the rail facility. To compliment this effort, \$160 million in public sector funding will be needed to provide critical improvements and additions to the existing transportation infrastructure in the Memphis area.

The Port of Memphis will host the U.S. Section, PIANC meeting on 12-14 May 1999.

POC is Randy Richardson, (901) 775-9818.

PIANC WORKING GROUP NUMBER 23, TECHNICAL AND ECONOMIC PROBLEMS OF ICING

Claude Strauser, St. Louis District, Corps of Engineers, attended a meeting of the PIANC Working Group Number 23, Technical

and Economic Problems of Icing, which took place in Hannover, Germany, during the week of 8 June 1998. The working group investigates the practicability of extending navigation to guarantee continuous navigation during the ice-winter timeframe.

The picture shows an experimental ice shredder being tested during the winter months on the navigation canals in Germany. Shown (left to right) are Claude Strauser, United States, Jean Balduck, Belgium, Chairman Olli Holm, Finland; and Jean Philippe Le Fur, France. The photo was taken on one of the navigation canals operated by the Navigation Administration of Germany.



U.S. SECTION, PIANC, RECOGNIZES ITS CORPORATE MEMBERS

The U.S. Section of PIANC sincerely appreciates the annual membership subscriptions received from all of our members. Annually, we recognize our Corporate Members for their generous support of the important work of developing and exchanging technical information on navigation and port infrastructure and related safety, economic and environmental matters.

Each year, the U.S. Section of PIANC publishes a list of Corporate Members. This year, we are proud to include in the list the new Corporate Members who have joined in response to a membership campaign that was organized by Mr. Harry Cook.

Corporate Members

American Association of port Authorities
American Commercial Barge Line Co.
W.F. Baird & Associates, Ltd.
*Bean Horizon Corporation
Black & Veatch
CH2M Hill
Diversified Expositions
Dredging Contractors of America
Foster Wheeler Environmental Corporation
*Gahagan and Bryant Association, Inc.
Great lakes Dredge & Dock Co.
Hartman Consulting Corporation
INCA Engineers, Inc.
Instituto Mexicano Del Petroleo
Kirby Marine Transportation Corporation
Louisiana State University & A&M College
Maryland Environmental Services
*Mississippi State Port Authority
Moffatt & Nichol Engineers
National Waterways Conference, Inc.
Naval Facilities Engineering Service Center
*North Carolina State Ports Authority

Ocean University
Office of Coast Survey
Panama Canal Commission
Port Authority of NY & NJ
Port of Corpus Christi
Port of Houston Authority
Port of Long Beach
Port of Oakland
*Port of Pascagoula
*Port of Philadelphia and Camden, Inc.
Port of Redwood City
*Port of San Diego
Port of Seattle
Purdue University Library
Reid Middleton, Inc.
Society of the Plastic Industry
Soza & Company, Ltd.
*State of Hawaii, Harbors Division
Svedala Trellex
Texas Engr Extension Service (Texas A&M
University)
UPC/Biblioteca Rector
U.S. Army Corps of Engineers
Water Resources Support Center
Waterways Experiment Station
Alaska District
Buffalo District
Huntington District
Jacksonville District
New Orleans District
Norfolk District
Philadelphia District
Pittsburgh District
Portland District
Rock Island District
St. Louis District
St. Paul District
Wilmington District
Mississippi Valley Division
Pacific Ocean Division
U.S. Coast Guard
Watercom
Zietsman Lloyd & Hemstead, Inc.

*New Corporate Members -- Membership Campaign

WODCON ENVIRONMENTAL DAY

The World Dredging Congress (WODCON) held its triennial meeting in Las Vegas in July of this year. For the first time, this international dredging congress held an all day planning session on environmental issues. The Environmental Day was co-sponsored by PIANC, WEDA, and the CEDA Environmental Commissioner. The session was opened by Lawrence Patella, Executive Director, WEDA. Opening remarks were made by Craig Vogt, Deputy Director Ocean and Coastal Protection Division, USEPA; T. Neville Burt, HR Wallingford; and Dr. Robert M. Engler, Director, Center for Contaminated Sediments, Waterways Experiment Station and Principal U.S. Representative to the Permanent Environmental Commission. The keynote address was given by Robert Perciasepe, Assistant Administrator for Water, Environmental Protection Agency. The luncheon speaker was Dr. Joseph W. Westphal, Assistant Secretary of the Army (Civil Works). Technical presentations ranged from PIANC, WEDA and CEDA working groups and recent technical reports on implementing various phases of dredged material management, to broad stakeholder panel discussions on partnering and environmental issues. Presentations were multi-national representing the US, UK, Canada, Germany, Netherlands, and Belgium and presented various stakeholder views including dredging companies, environmental interest groups, port managers and intergovernmental and governmental entities. The day-long event was well attended with spirited discussion among the presenters, panelists, and the audience. For additional information contact Dr. Robert M. Engler, USACE, Waterways Experiment Station at (601) 634-3624.

LONDON CONVENTION SCIENTIFIC GROUP MEETING AND TRAINING FOR AFRICAN NATIONS

In April of this year, the London Convention Scientific Group (LC-SG) held its 20th meeting in Capetown, South Africa. In conjunction with the meeting, a week-long waste management training course was sponsored by the International Maritime Organization (IMO), and the United Nations Environmental Program (UNEP) for African Nations. About 20 nations participated and delegates to the LC-SG representing relevant areas of expertise were selected as lecturers and technical source people for this training. Lecturers from the US, UK, Canada, Australia, Netherlands, Germany and Belgium were invited. They lectured on all aspects of waste management including: 1) development of laws and regulations; 2) industrial waste; 3) solid waste; 4) dredged material; 5) characterization and monitoring; 6) management strategies; 7) global and regional conventions; 8) criteria and standards; 9) land and ocean disposal management. Specific workshops were also held to enhance attendee participation. Dr. Robert Engler, USACE (also representing PIANC), and Dr. Richard Peddicord, Consultant (also representing IAPH), were the U.S. lecturers.

The LC-SG meeting held the following week emphasized development of waste specific guidelines to implement the revised London Convention (96 Protocol to the LC). For additional information contact Dr. Robert D. Engler, USACE, Waterways Experiment Station at (601) 634-3624.