PORT of BRISBANE, a fast growing container port, is the 3rd largest capital-city port in Australia. It is closer to Asia Pacific Rim than any other major Australian capital-city port by 5 sailing days. Fisherman Islands is the only purpose-built capital-city intermodal port complex in Australia. Related article on page 34.

IAPH Officers
(1999 - 2001)

President
Dominic J Taddeo
President & Chief Executive Officer
Montreal Port Authority
Canada

First Vice-President
Akio Someya
Executive Vice President
Nagoya Port Authority
Japan

Second Vice-President
Pieter Struijs
Vice Chairman/Executive Director
Shipping
Rotterdam Municipal Port Management
Netherlands

Third Vice-President
H. Thomas Kornegay
Executive Director
Port of Houston
USA

Immediate Past President
Jean Smagghe
Executive Vice-President
International Affairs of
Association of French
Ports (UPACCIM)
France

Secretary General
Satoshi Inoue
IAPH Head Office
Tokyo
Japan

Contents

IAPH ANNOUNCEMENTS & NEWS
Tokyo Exco Meeting successfully concluded .........................................................3
Message from the Vice Governor of the Tokyo Metropolitan Government ..................5
Europe/Africa Regional Meeting in Cork .................................................................8
Asia/Oceania Regional Meeting in Bangkok ..........................................................8
A Model Law on Electronic Signatures to be Approved in June 2001 by UNCTRAL ........9
Gaza Seaport Project ...............................................................................................10
IAPH Award Scheme 2001 (IAPH Essay Contest) ................................................10
Renewed IAPH web site coming up from 1 January 2001 .......................................11
Membership Notes .................................................................................................11

OPEN FORUM
The Challenge for Maritime Transport at the Dawn of the 21st Century .................12
ESCAP: Regional Shipping and Port Development Strategies Under a Changing
Maritime environment .........................................................................................16

INTERNATIONAL MARITIME INFORMATION
16th World Dredging Congress and Exhibition • Ballast water task force sets to
work on alien invaders ......................................................................................22
India International Maritime EXPO 2001 ..........................................................23
New Publications .................................................................................................24

WORLD PORT NEWS
The Americas
Halifax Port Authority and Halterm Agree on 20-Year Lease • Vancouver makes mid-ocean
deballasting mandatory • Message from the Canal Administrator on the Canal’s First Nine
Months under Panamanian Administration ............................................................25
Panamax Vessel Transits Continue Growing • Traffic forecast for the Canal up to 2050 •
Ports Handle Lion’s Share of Southeast Asian Market ........................................26
Port of Los Angeles: First-of-its Kind Propane Equipment Introduced at Port •
Port of Long Beach: Container Cargo Volume up 6 percent for Fiscal Year ..............27
Hanjin Agrees to $1 Billion Lease for Long Beach’s Largest Container Terminal •
Port of NY/NJ: Port Authority to Provide Real-Time Shipping Information to
Port Customers via the Web .................................................................................28
Cargo Continues Strong Gains • Port of Seattle Launches eBusiness Strategy ..........29

Africa/Europe
P&O Ports takes over ACT in Antwerp • Cyprus reports and expects positive port
industry results ....................................................................................................30
The Port of Helsinki’s traffic hits a record high • First straddle carriers for Ceres
Paragon terminal arrive in Amsterdam • Dr. van den Heuvel, IAPH Exco, Honoured ......31
All bunker vessels at Port of Göteborg have ‘Green Cards’ • Vapour Recovery
Units installed in Göteborg’s oil port .................................................................32
HRH the Princess Royal Inaugurates Humber International Terminal ......................33

Asia/Oceania
Boom TIME for Brisbane ....................................................................................34
Port Botany Rail - Record Container Volumes • Evergreen Opens Three New Berths
in Kaohsiung .......................................................................................................35
Kaohsiung’s Container Terminal No. 5 to Be Completed in December • Cochin Port
poised to be India’s cruise destination ..................................................................36
Operator for the Nabeta Container Terminal Decided • Port Promotion Mission to
India and China • Star Cruises Makes Yokohama its Home Port ..........................37
Port Klang shapes up as logistics hub .................................................................38
Ports of Auckland: Strong container growth • PSA Corporation Signs Terminal
Management Contract for Mauna Container terminal .........................................39
PSA and APL achieve vessel rate over 200 boxes per hour second time in 2000 ..........40

E-mail: info@iaphworldports.org
Web site: http://www.iaphworldports.org
Tokyo Exco Meeting successfully concluded

October 23/26 2000, at Bayside Hotel Azur, Takeshiba, Tokyo

For the first time in the history of IAPH, Tokyo was chosen as the venue of the meeting of the Executive Committee (EXCO). For one reason, Tokyo was selected because the Head Office has been relocated from the central part of Tokyo to the premises located on the waterfront that was recently redeveloped for office buildings and hotels, and further because the office space of the Head Office has expanded. Thus the venue of the Mid-Term Exco Meeting in Tokyo, from Monday October 23 to Thursday October 26 2000 was at Meeting Room of the Bayside Hotel Azur, Takeshiba, Tokyo, Japan, which is located just next to the Takeshiba North Tower on the fifth floor of which IAPH Head Office is located. Other specialty of the Tokyo Meeting was that a local function organized by the IAPH Foundation, known as 13th IAPH Japan Seminar that is devoted for the promotion of IAPH activity as well as the Montreal Conference among the local community of port and shipping industry was programmed as an integral part of the Exco Meeting.

The 3-day long Meeting was conducted and presided over by President Taddeo at the full support and cooperation extended by the Port of Tokyo together with the Ports of Kobe and Nagoya as supporters. In all, all of 5 Officers (President, 3 Vice Presidents, Immediate Past President and Secretary General) and 10 Exco members and 20 persons inclusive of committee chairs, special delegates, assistants to the delegates, observers, and 3 head office staffers led by Dr. Satoshi Inoue, attended the meeting.

The agenda of the three Sessions was as follows:

**Session 1 (Household matters)**
- Secretary General’s report
- Revision of By-Laws (consultation)
- Membership Committee Report
- Financial situations

**Session 2**
- IAPH/IMO Interface and Technical Committee affairs
- Report on the reactions to the IAPH Appeal for the sustenance of IMO SPI Initiative
- Combined Transportation, Distribution and Logistics Committee
- Others
  - 2001 Conference (Program, Working Sessions, Speakers and others)
  - Future conferences and the Mid-Term Board Meeting in 2002
  - 2003 Conference
  - 2002 Mid-Term Board Meeting: Presentation by Abu Dhabi Seaport Authority
  - 2005 Conference: Presentations by the Port of Shanghai and the Port of Kobe
  - Other calendar of meetings
  - Status report on the Abidjan Meeting (Pan African Ports Conference)
  - Status report on the regional meeting 2001
    - A/E Region: Cork
    - A/O Region: Bangkok

**Session 3**
- Report on the IMO Liaison Services
- IMO initiative for the Gaza Port Development Project and IAPH’s participation
- Status Report on the IAPH/ICHCA Survey on Fumigation Services/Expression of concern from Uruguay for the threat of health from the imported items
- Consideration on the UNEP initiative for Global 500 Roll of Honor for Environmental Achievement for the year 2001 (Adult Category)
- Long-term policy-related affairs and others
- Consideration on the proposal for Port Specific Environmental Management System, as proposed by Mr. Graham Mulligan, Port of Brisbane Corporation, Australia
- IAPH Cooperation and support for an international Survey on Dredging as sug...
gested by Mr. Hugh Welch.
• Continuance of the IAPH 2000 Survey on Port Reform
  (Reference: The Napier University Survey on Port Reform and Transformation based on the IAPH Survey conducted by Mr. Baird, Napier University)
• Ports and Customs - A paper by Mr. John Raven
• PIANC Working Group on Wetland Restoration
• Others

Brief highlights of discussions on household affairs

• Membership Committee Matters: Chairperson O.C. Phang reported that the membership of IAPH spreads to 88 different maritime countries and economies, marking a slight increase in Regular and Associate Members, where the number of Regular Members stood at 223 and Associate Members at 107, respectively. In her report, IAPH should continue to work out plans to foster greater interaction and keep the members abreast of what is happening not only through the journal but also through fliers and bulleting, seminars expositions and further continue to explore every possibility to attract new members, inclusive of such measure like restructuring the membership classification and dues systems.

• Finance Committee Matters: On behalf of Chairman Snodgrass of the Finance Committee and based upon his written report of October 17 on the financial prospect of IAPH for 2000 previously prepared by the Head Office, Dr. Inoue reported that the financial situation of the Association for 2000 was healthy despite the acute rise of the yen currency as against SDR and other currencies since 1999. Report was duly accepted with various recommendations for further and continued improvements of financial operations.

• Legal aspects: Dr. Inoue presented various points as consultation items to the Exco. These points are mostly related to the procedural aspects of the Association mainly as a result of the newly adopted practice of holding a mid-term meeting of the Board of Directors. Consulted were such items as the systems for establishing quorum at meetings, the systems for establishing consensus of Association relative to the regional ones. The Exco, acknowledging the rationales contained in his consultation, felt that these points be further referred to the legal counselors for actual implementation as appropriate.

Amongst many items discussed by Exco, the following topics are chosen as highlights of the Meeting.

• IAPH's reactions to the Ship/Port Interface (SPI) Initiative by IMO: Various comments in support of the SPI initiative expressed by the IAPH member ports were introduced. The Exco felt that IAPH should continue to support the IMO initiative for SPI by promoting the implication among the membership.

• IAPH/IMO Interface Group and liaison activities: Mr. Pieter Struijs reported on the activities of the Interface Group. Elaborating his report, Mr. Peter van der Kluit presented those issues facing the port community on a global basis, such as ballast waters, TBT, reception facilities and others.

• Fumigation Services: As an offshoot of IAPH cooperation with ICHCA Survey on the Fumigation Services, IAPH received a proposal from Uruguay that ports should be more interested in the potential threat to health involved in the imported goods and further that some sort of monitoring services should be organized on a regional basis. The Exco opined that the result of the survey would be informative source of measures to be taken by ports.

• IMO/UNDP Initiative for the construction of Gaza Port: Mr. Peter van der Kluit reported on his visit to Gaza, Palestine, as a member of the IMO/UNDP mission. (Please see the separate report.)
• **Survey on Port Reform:** Based on the IAPH Survey on Port Reform conducted by the IAPH 2000 Task Force in 1999 and reported at the KL Conference, Napier University was conducting an extended study at the initiative taken by Mr. Alfred Baird, BA (Hons) MCIT, Director, Maritime Transport Research Unit, Napier University Business School. Recently, he proposed IAPH to give support for the furtherance of the study. Exco felt that IAPH should explore the possibility of furthering the original survey.

• **UNEP: Global 500 - Roll of Honor for Environmental Achievement:** IAPH was invited to nominate one or more suitable candidates to be accorded with the Honor. Exco considered the matter extensively. However, in view of the time is extremely limited and further that the IAPH is not fully prepared to organize the evaluation mechanism, Exco asked the Secretariat to inform the matter to all IAPH members for reference and instructed the Secretariat to take actions as appropriate by consulting with chairs for the potential future invitation. The information was circulated to all IAPH members on November 10, 2000.

• **Regional Exco: Nomination of Vice President for Asia/Oceania Region:** The Regional Exco Members of the region, met on Tuesday, October 24, 2000 at the Meeting Room of Head Office nominated Mr. John Hayes, Executive Officer, Policy and Planning, Sydney Ports Corporation, Australia, as the regional candidate for election as the Vice-President for Asia/Oceania region at the Montreal Conference. Dr. Akio Someya, 1st Vice President reported the result to the full Exco meeting met next day. President Tadeo instructed the Secretariat to look into the legal implication in conjunction with the message from the Vice Governor of the Tokyo Metropolitan Government

GOOD evening, ladies and gentlemen! My name is Yasusi Aoyama, Vice Governor of the Tokyo Metropolitan Government.

President Dominic Tadeo, Officers and Executive Committee Members of the International Association of Ports and Harbors. On behalf of the citizens of Tokyo, I would like to welcome you heartily.

IAPH was founded in 1955 on the initiatives of the Japanese who wished to create a permanent organization for the promotion of ports and harbors in the world. At that time, it had only 15 member states but has since been expanded and has now 88 countries as its members.

This is the fruit of the great efforts of IAPH’s successive presidents, Officers and Executive Committee Members, and I would like to express my sincere respect for their achievements.

Some people say that an IT revolution will remove the sense of distance between countries in the world.

But in my opinion, this is a wrong idea. As a result of rapid increase in the speed of transmitting information, both people and products will be faced with a state of exhaustion about time and distance.

In other words, the movement of people and products will become more and more accelerated. The value of people and products will become higher with increasing exchange activities.

Today, almost all of goods traded internationally are handled by marine transportation. Because of its many economic advantages, this means of transportation will certainly continue to support international distribution in the future.

The Tokyo Metropolitan Government is now drawing up a new project “Tokyo Bay Area 21.”

This project will aim to reinforce the functions of Tokyo Port both in hardware and software spheres and also to create a comprehensive distribution network of air and land transportation as well as marine transportation with Tokyo Port as its center.

By promoting this project, we will make contribution to the further growth of both the Japanese economy and that of Asia and the world.

In the past five decades, IAPH has contributed to the development of the ports in the world. This meeting of Executive Committee will be the one that brings this history to a fine finish and marks the beginning of its activities in the new century. In light of this, I believe it very meaningful that this meeting is held here in Tokyo.

My sincere hope is that this meeting will be a fruitful one and will provide a basis for closer cooperation among the port managers in the world and for continued development of IAPH.
Nominating Committee, a conference committee that is to be organized as a Conference Committee.

Conferences and Meetings

- **22nd World Ports Conference in Montreal, May 19/26 2001, Montreal:** President Taddeo informed that he and his team were about to announce the final program in couples of weeks via the bulletin. He assured that members it would reach shortly.

- **The first Pan-African Port Conference, December 5-6 2000, Abidjan, Cote d’Ivoire:** The Executive Committee after examining the current status report on the state of safety in Abidjan as gained from the Internet, and in consultation with Mr. Aliou Diallo, attending member of Port Management Association of West & Central Africa (PMAWCA), and after extensive discussions concluded that there was no option but advise the organizer, namely the Port Autonome d’Abidjan to postpone the event as IAPH could not suggest anybody to attend the Conference because of safety. President Taddeo, in his letter of October 25 2000, informed Mr. Ahmed Kone Mamadou, General Manager, Port Autonome d’Abidjan, of this inevitable decision. Mr. F. Gauze, PMAWCA Secretary General, on behalf of the Organizer and the Head Office, has been exchanging information. In his week-later communication, the latter quarter of 2001 was hinted to be alternative dates.

- **The 2002 Mid-Term Board Meeting:** As the result of exchange of communications since the 2001 Mid-Term Board Meeting in Marseilles, in May 2000 Mr. Hassan Mousa AL Qamzi, Under Secretary, Abu Dhabi Seaport Authority, Abu Dhabi, United Arab Emirates, expressed his willingness to host the 2002 Mid-Term Board Meeting in the latter part of April 2002. For this, he agreed to send Capt. Abdul Wahab Al Diwani, Marine Advisor, Abu Dhabi Seaport Authority, to attend the Exco Meeting to present an invitational presentation and exchange views on the format of the forthcoming 2002 Mid-Term Board Meeting. Exco, with profound thanks, accepted the invitational presentation made by Capt. Al Diwani and instructed the Head Office to take a concerted action for the furtherance of the forthcoming meeting.

- **The 2003 Conference in Durban, South Africa:** Based on the established practice of IAPH, Exco felt that Mr. Smagghe, Immediate Past President, Mr. Diallo as Exco Member from West and Central Africa and Mr. Peter van der Kluit, IAPH Representative in Europe should visit Portnet in an early part of December 2000 to express IAPH respects and exchange views on the state of development of the preparatory work for the 2003 Conference.

- **The 2005 Conference in Asia:** Mr. Lui Haifu, Port Director of Shanghai Port, representing the Chinese supporters of all sectors, and Seiichiro Nakagawa, Director of Administration Department, Kobe Port, on behalf of Mayor of Kobe as well as the Japanese port community, presented the invitation address respectively. President thanked their enthusiastic stance for hosting the 2005 Conference, but noting the final decision would take place at the Board Meeting in Montreal 2001, urged the secretariat to formulate comprehensive system how to reach to a conclusion at the Montreal and instructed the secretariat to consult with the Legal Counselor.

Garuda Indonesian symbol of power and prosperity, was presented by Mr. Sumardi as a mascot and protector

A fine crystal bowl was presented by Datin O.C. Phang
13th IAPH Japan Seminar

- This is a local event organized by the IAPH Foundation, a Japanese institution created in support of the cause of IAPH and promoting IAPH activities among the resident members and related industries, public or private. For the past decade, the IAPH Japan Seminar has been organizing once a year, in even numbered year for the promotion of IAPH activities as well as the forthcoming Conference, and in add-numbered year for reporting the outcomes of the IAPH Conference respectively. This year, as the Exco Meets in Tokyo, it was integrated as a part of the Exco Meeting and held in the afternoon hours of Wednesday, October 25, 2000, at the Hotel Azur.
- Mr. Shinya Izumi, Senior State Secretary of Transport (Vice Minister), Mr. Dominic J. Taddeo, IAPH President and Mr. Peter van der Kluit, IAPH Liaison Officer with IMO & IAPH Representative in Europe were the main speaker of the Seminar. Some 140 audiences were from the governmental sectors, port and shipping sectors were present.
- Mr. Shinya Izumi, welcoming the IAPH Exco Meeting, spoke about the TSL (Techno Super Liner), a national project of Japan for creating a futuristic fast running freighter with a payload of 1,000 tons and running at a speed of 50 knots per hour, inclusive of a story of the recent test voyage by a model craft to Shanghai. At a Q&A time, later on, the TSL expert, Mr. Kenichi Sawayama, Coordinator for the next generation ship and craft, Maritime Safety and Technology Department, MoT, in response to the question on the economic viability of such fast running craft in the limited context of fuel consumption, commented that comparison should be made with air cargo services for short-to-medium range routes rather than conventional ships. (Please see the Izumi Paper.)

Social functions and ladies programs

The 3-day meeting was interspersed by evening functions. Welcome dinner on the Monday evening for early arrivals was hosted by the IAPH Secretary General. Welcome reception at the Tokyo City Hall on Tuesday evening was hosted by Mr. Yasushi Aoyama, Vice Governor of Tokyo Metropolitan Government and the ensuing welcome dinner cocktail reception was hosted by the Port of Tokyo Promotion Association, Tokyo Port Terminal Corporation. Get-together reception on the Wednesday night was hosted by the IAPH Foundation. Tuesday lunch was sponsored by the Port of Nagoya, and the coffee service during the whole session was sponsored by the Port of Kobe respectively. (Please refer to the message by Mr. Aoyama separately printed in this issue.)

For the accompanying ladies, Mrs. Yuriko Someya and Mrs. Kazuko Inoue organized private tours to the City and to Kamakura, an ancient city south of Tokyo. Port visit on board ShinTokyo Maru was the last of the program.

Reference 1:
Overall business program

Monday, October 23, 2000
- Afternoon hours: Meeting of the Combined Transport, Distribution & Logistics chaired by Dr. Hans-Ludwig Beth

Tuesday, October 24, 2000
- Morning hours: Regional Meeting of the Executive Committee Members
- Afternoon hours: EX CO Session 1 Official Welcome Reception by the Governor of Tokyo at City Hall

Wednesday, October 25, 2000
- Morning hours: EX CO Session 2 Afternoon hours: The 13th Japan Seminar by the IAPH Foundation

Thursday, October 26, 2000
- Morning hours: EX CO Session 3 Afternoon hours up to 1515: Technical Visit of the Port of Tokyo on board "ShinTokyo Maru", the official launch of the Port of Tokyo

Reference 2:
List of attendants

President and Officers:
- Mr. Dominic J. Taddeo, IAPH President and the chairperson, Port of Montreal, Canada
- Dr. Akio Someya, 1st Vice President of IAPH, Port of Nagoya, Japan
- Mr. Pieter Struijs, 2nd Vice President of IAPH, Port Mangement of Rotterdam, the Netherlands
- Mr. Thomas Kornegay, 3rd Vice President, Port of Houston Authority, USA
- Dr. Jean Smagghe, Immediate Past President of IAPH
- Dr. Satoshi Inoue, Secretary General

Exco Members:
- Mr. Aliou Diallo, General Manager, Conakry Port
Authority, Guinea
  • Mr. Patrick J. Keenan, Chief Executive, Port of Cork Companies, Ireland
  • Mr. Bernard Grosseclouze, President and CEO, South Carolina State Ports
  • Mr. Cho, Lark-jung, Administrator, Pusan Regional Maritime Fisheries Office, Pusan, Korea
  • Mr. Goon, Koo-loon, Deputy Group President (International), PSA Corporation Ltd., Singapore
  • Mr. John Hayes, Executive Officer, Policy and Planning, Sydney Ports Corporation, Australia
  • Mr. Lu, Haffu, Port Director, Shanghai Port Authority, China
  • Datin O.C. Phang, General Manager & CEO, Klang Port Authority, Malaysia
  • Mr. Shihe, Ming-hui, Director, Keelung Harbor Bureau, Taiwan, China
  • Mr. Sumardi, Director General, Port Corporation III, Surabaya, Indonesia

Chair, Combined Transport, Distribution & Logistics:
Dr. Hans-Ludwig Beth

IAPH Liaison Officer with IMO and IAPH:
Mr. Dr. Beth, Port of Hamburg

Combined Transport, Distribution & Logistics:
Geraline Knatz of Dredging Task Force, Mr. Emili

Committees as they planned to organize respective

Also received were regrets from chairs of various

snodgrass, Chief Executive, Westgate Transport
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Regrets

• Mr. Bernard Groseclose,
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  • Mr. Sumardi,

Europe/Africa Regional Meeting in Cork

Motto: “Meet your colleagues, meet your friends, expand your knowledge, and maintain your network.”

Hotel: The Rochestown Park Hotel, Rochestown Road, Cork, Ireland.
Tel: 00 353 21 4892233.
Fax: 00 353 21 4892178 (Reservations Fax: 00 353 21 4918092)

Reservations should be made directly with the Hotel and copied to Anne Murphy at Port of Cork (phone number 00 353 21 4276925, fax number 00 353 21 4276484; E-mail: amurphy@portofcork.ie)

Conference information: Mr. P. Mollena, Port of Rotterdam (E-mail: peter.mollena@port.rotterdam.nl)

Programme

Wednesday 28 February 2001

17.00 - 18.00 Regional Meeting

18.00 - 19.30 Welcome Reception Buffet Dinner

Thursday 1 March 2001

08.30 - 09.30 Registration and Coffee

09.00 Opening session
  Chair: Mr. Struijk, 2nd Vice-President of IAPH
  Mr. Boland, Chair of Port of Cork Port

09.15 - 09.30 Keynote by President of IAPH
  Mr. Taddeo, Port of Montreal

09.45 - 10.45 Legal issues
  Chair: Mr. Vergobbi

10.45 - 11.55 Industry sessions

11.15 - 11.30 Safety - Environment
  Chair - Mr. Salo

11.35 - 12.15 Ports and the green concept
  Mr. Wheatead, British Ports Association

11.35 - 11.55 Management of dredged material
  Mr. Mollena, Port of Rotterdam

11.55 - 12.15 Marine developments in an European context
  Mr. van Meel, Port of Antwerp

12.15 - 12.30 Port Planning & Construction
  Chair: Mr. Vergobbi

12.30 - 14.00 Coffee

14.00 - 15.00 Transportation modalities
  Chair: Mr. De Broyer, Port of Hamburg

15.00 - 15.15 Legal issues
  Mr. Mollena, Port of Rotterdam

15.45 - 16.05 Global Development
  Mr. Brunninx, Port of Antwerp

15.45 - 16.05 Consequences for Africa
  Mr. Luke, Tanzania Harbours Authority

16.25 - 16.45 Mediterranean - an alternative for Central Europe
  Mr. Parabas, Port of Piraeus

16.45 - 17.00 Plenary Discussion

Friday 2 MARCH 2001

08.30 - 09.00 Coffee

09.00 Challenges
  Chair: Mr. Luipie

09.00 - 09.30 Scandinavian Ports
  Mr. N. Lyren, Port of Gothenburg

09.20 - 09.40 Ports of Central Europe
  Mr. Mironescu, Port of Constanza

09.40 - 10.00 Bi-Annual W orld Port Conference, Durban 2003, Portnet

10.00 - 10.30 Coffee
  Chair: Mr. Keenan

10.30 13.00 Presentation and Technical visit
  PORT OF CO DK

Authority, Guinea

Mr. Patrick J. Keenan, Chief Executive, Port of Cork Companies, Ireland

Mr. Bernard Grosseclouze, President and CEO, South Carolina State Ports

Mr. Cho, Lark-jung, Administrator, Pusan Regional Maritime Fisheries Office, Pusan, Korea

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  Mr. Wheatead, British Ports Association

11.35 - 11.55 Management of dredged material
  Mr. Mollena, Port of Rotterdam

11.55 - 12.15 Marine developments in an European context
  Mr. van Meel, Port of Antwerp

12.15 - 12.30 Legal issues
  Chair: Mr. Vergobbi, Port of Dunkirk, France.

Following is tentative information with regard to the program:

February 12

Committee Meeting • Montien Riverside Hotel

Asia/Oceania Regional Meeting in Bangkok

The 2nd IAPH Asia/Oceania Regional Meeting, which is open to all the members of the region, will be held in Bangkok from February 12 to 16, 2001, hosted by the Port Authority of Thailand. The Meeting will be held in conjunction with the ESCA/IAPH Joint Seminar of Regional Shipping and Port Development Strategies.

Dr. Akio Someya, in his capacity as the IAPH Vice President for the region, is sending invitation letters together with registration forms to all the Exco and Board members of the region, requesting them to inform all members in their respective countries of this gathering.

Following is tentative information with regard to the program:

February 12

Committee Meeting • Montien Riverside Hotel

Asia/Oceania Regional Meeting in Bangkok

February 14

ESCA/IAPH Joint Seminar • ESCAP Building

February 15

ESCA/IAPH Joint Seminar • ESCAP Building

February 16

Technical Tour • Bangkok and Chol Buri Province

All IAPH members of the Asia/Oceania region are kindly invited to take part in this event in Bangkok next February. For further inquiry, please contact the below:

Nagoya Port Authority
Phone: 81-52-654-7840 Fax: 81-52-654-7995
E-mail: nipa@portauthority.minato.nagoya.jp
A Model Law on Electronic Signatures to be Approved in June 2001 by UNCITRAL

Working group on Electronic Commerce
37e Session in Vienna
18 - 19 September 2000

J. Gauthier (Canada) was elected as Chairman and P. Nanakorn (Thailand) as Rapporteur

Jacques Braems
Manager of European and International Affairs
Port of Dunkirk Authority
Member of the IAPH Committee on Legal Protection to represent IAPH at UNCITRAL meeting on Electronic Commerce

Results of the works

The Commission adopted in New-York 12 June-7 July 2000 the draft articles 1 and 3 to 11 of the Uniform Rules prepared by the Working Group in its 36th session. So the work of the Working Group in its 37th session was to prepare draft article 12 (Recognition of foreign certificates and foreign electronic signatures) and to precis in Art.2 the definitions useful to understand the uniform rules.

After discussion the Working Group adopted the substance of those articles which are gathered with articles previously adopted in annex (Art. 1 to 12).

It was however stated that the draft group will ensure consistency of all articles of uniform rules.

Generally speaking, the text is rather inspired by liberal economy giving as much importance to private service providers as public ones if they fulfil with the public national obligations. Moreover it was finally agreed to title the text “Model Law on Electronic Signatures” instead of “Uniforms Rules”.

As far as the guide to enactment is concerned, the secretariat was requested to prepare a revised version of the draft guide reflecting decisions taken by this Working Group.


Concerning draft guide it was agreed that although the Model Law was technologically neutral the guide should present the technical environment at the time when it was prepared, being clear that the draft Model Law was intended by its authors to offer sufficient flexibility to remain useful through some of the foreseeable technological changes.

Effects and Stakes in Ports

With the Model Law on Electronic Commerce and guide to enactment 1996 and additional Art. 5 adopted in 1998, the business sector had a general legal framework to replace written text by electronic data, but it was missing special rules to replace paper signature by electronic signature with all the effects and functionalities which are officially attached to the agreement of parties.

In this respect it was necessary to fix particularly the rule concerning the conditions of signature (Art. 6 - 7 - 8) the role and guarantees of certification service provider (Art. 9 - 10) and the validity of electronic signature or certificate around the word (Art. 12).

With reserve of the approval of the draft text by the Commission all countries in the world may have an harmonised legal framework to do business by electronic means.

However those texts are not complying and they have to be introduced in national legislation.

But many countries did not wait those uniform rules to introduce legal rules in this field, so the international rules are not applied in a harmonised system.

To this effect the representative of IAPH made a quick survey among the 18 maritime countries participating in the Working Group representing all parts of the world. Among the 5 countries having no special rules in their national legislation 4 of them had new rules under preparation that is why at present time, international rules are not “uniform” as UNCITRAL would like they are.

To mitigate this noticing, we can remember that the European Union promulgated a directive on 13 December 1999, requiring the 15 members states to comply with this text before 19 July 2001.

Of course, it would be wished, to facilitate world trade, to have uniform rules but this can take a long time.

In that process, ports may have interest to promote in their country and specially in the shipping and port sector, legal rules or practises complying with CNUDCI model laws stated before.

Considering that a great number of countries should be obliged to revise their present legal rules taking account of rapid changes in that field, it may be a real opportunity to put forward interest of ports and perhaps to promote among port and shipping community some standard derived from UNCITRAL proposals.

Visit the IAPH website to access information about the Association’s wide ranging activities, the benefits of membership, how its worldwide members work together to help ports in developing countries and what’s new.

The websites of major ports are also accessed via the IAPH website.

http://www.iaphworldports.org
Gaza Seaport Project

P.C. van der Kluit
IAPH Representative in Europe
5 November 2000

O n the initiative of IMO and the UN Development Program, UNDP, a meeting was organized in Gaza in the Palestinian territory on 28 September 2000, that was co-hosted by the Palestinian authorities and UNDP.

The aim of the meeting was to investigate possibilities for support to the Palestinian authorities in the development of the Port of Gaza. Both the Netherlands and France had already pledged support in terms of US$70 million for the first phase of the construction of the port. This involves the “hardware,” at this meeting advice was sought on “software” matters, such as organization, education and training, required handling equipment, etc.

A number of international organizations, such as IMO and UNCTAD, had been invited to participate in the meeting, as well as NGO’s among which IALA, IHO and IAPH. Also representatives of the USA, France, the Netherlands and the European Union were present.

The meeting was held in the Al Waha conference centre in Gaza, a newly developed complex of international stature. After words of welcome from Dr. Ali Qawasmi, Minister of Transportation, Dr. Ali Sh’aat, Chairman of the Gaza Seaport Authority and Mr. Timothy Rothermel, Special Representative of UNDP in Jerusalem, presentations were given by representatives of the Dutch Ministry of Transport and a US consultant bureau outlining the specifics of the port that will be developed in a number of phases.

After an intensive hour of questions, answers and discussion on the formulation of a master plan for the long-term development, use and operation of the Gaza Seaport, participants were offered lunch in the Al Waha restaurant. Apart from enjoying the excellent lunch itself, the participants continued their discussions that had started earlier.

After lunch the hosts had organized a tour of the Gaza Seaport construction site where the visitors could see with their own eyes that work had indeed begun with the construction of an access road to the future port complex. They were informed that the last obstacle related to the transportation of large boulders from Israel to the building site for the construction of the protective seawall had been resolved only days before. It was expected that the first phase of the port, that will be of enormous economic importance for the Palestinian people, could become operational in August of the year 2002.

How unfortunate that on the very same day that this promising meeting was held, hostilities broke out between the Israelis and the Palestinians, threatening the fragile peace process that was being pursued by both parties. Tragic developments that led to loss of life and property and that will undoubtedly have a negative effect on the development of the Gaza Seaport Project. It is sincerely hoped that peace will return soon to the benefit of all involved.

IAPH Award Scheme 2001
(IAPH Essay Contest)

A s many as 15 entries by member ports and additional 2 entries from non-member ports have been received as tabulated hereunder. These entries have been referred to Chairman Goon for evaluation and selection of Winners by the panel of judges.

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<tr>
<th>NAME</th>
<th>PORT</th>
<th>Country</th>
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<tr>
<td>1) Raphael T. Huanvoegbe</td>
<td>Port Autonome de Cotonou</td>
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<td>2) Hussein Elhaji Suliman</td>
<td>Sea Ports Corporation</td>
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<td>3) K M Anklekar</td>
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<td>4) Chen Geyi</td>
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<td>5) Shamsuddin Ismail</td>
<td>Bintulu Port Sdn Bhd</td>
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<td>6) Michael de Souza</td>
<td>Port Autonome de Cotonou</td>
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<td>7) N gozi R. O. nyeawgazi</td>
<td>Nigerian Ports Authority</td>
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<td>9) Imafidon Emmanuel</td>
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<td>14) Joachim O lawole Akinseloyin</td>
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<tr>
<td>15) Ikherovba Erakhifu</td>
<td>Nigerian Ports Authority</td>
<td>Nigeria</td>
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Non-members

1) Feng Bin | Shenzhen YanTian Port Holdings Co.Ltd. | China |
2) Raymond P B Sannoh | Sierra Leone Ports Authority | Sierra Leone |
3) Duramany Jangba | Sierra Leone Ports Authority | Sierra Leone |
4) John E G Alfred | Sierra Leone Ports Authority | Sierra Leone |

IAPH ANNOUNCEMENTS & NEWS
Renewed IAPH web site coming up from 1 January 2001

New design with a new domain name

To coincide with the start of the 21st century, a totally redesigned and restructured IAPH web site will be launched on 1 January 2001 with a new domain name. Its new address will be <http://www.iaphworldports.org>. However, even if you log on to the current site at <http://www.iaph.or.jp> after 1 January 2000, you will automatically be redirected to the new address for the time being.

Background of Renewal

The current website at <http://www.iaph.or.jp> was launched in 1997 right after the IAPH London Conference. At the IAPH Executive Committee meeting in October 1999 in Montreal, Canada, a decision was made to renew the site to make it more interactive, dynamic and user-friendly at the proposal of the IAPH Committee on Communication and Networking (Chairman Jose Perrot, Port of Le Havre). The proposal was made in view of the fact that the Internet-related technology made a significant progress in the recent past, making the current IAPH site old-fashioned, and, as such, IAPH should take advantage of offering tangible benefits brought by the Internet through its web site. While its content has been updated on a regular basis, the entire web site design and structure has remained the same over the past three years. The new IAPH web site will be easier to use and to understand with many graphics and images and equipped with a series of interactive features including a clickable image map with links to the web sites of IAPH member ports, on-line publications, etc.

Email Addresses also change

As far as e-mail is concerned, the same domain name will also be applied. As from 1 January 2001, the current email addresses held by the IAPH Secretariat will be changed to new ones. For instance, the current group email address for IAPH is info@iaph.or.jp and it will be changed to info@iaphworldports.org and other individual email addresses held by the Secretariat staff will also be changed in the same manner. However, your email sent to any one of the current email addresses of the IAPH Secretariat staff will also be automatically transferred to the new ones with the new domain name.

As many of the readers may know by this time, the group email address for IAPH at <iaph@msn.com> was terminated on 30 November 2000. It is simply due to the fact that Microsoft Network stopped its service as Internet connection service provider in Japan. Therefore, please delete it from your email address book and replace it with <info@iaphworldports.org>.

Membership Notes

New Member

Ningbo Port Authority (China)

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Puertos del Estado (Spain)

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Mailing address: Jose Luis Quirce, President

Port Authority of Thailand

[Regular] (Thailand)

Mailing address: Pavongkich Chivamit, Acting Director General

Gladstone Port Authority

[Regular] (Australia)

Mailing address: L M Zussino, General Manager

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Changes (Changes involved are underlined)

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Mr. Cuthbert’s e-mail: steve.cuthbert@polca.co.uk

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Mailing address: Patrick Verhoeven, Secretary General

Port Management Association of West and Central Africa [Regular] (Nigeria)

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Fax: 873 762 657 453

The Port Authority of New York & New Jersey [Regular] (U.S.A.)

Mailing address: Richard M. Larrabee, Director, Port Commerce Department

Shenzhen Municipal Port Authority [Regular] (China)

Mailing address: Zhang Binhai, Deputy Director

Canaveral Port Authority [Regular] (U.S.A.)

Tel: New Area Code 321

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Puertos del Estado [Regular] (Spain)

Mailing address: Jose Luis Quirce, President

Port Authority of Thailand [Regular] (Thailand)

Mailing address: Pavongkich Chivamit, Acting Director General

Gladstone Port Authority [Regular] (Australia)

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Address: 5/F, 110 Huangpu Road, Shanghai 200002
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E-mail: chinaports@sina.com
Increasing Demand for Rapid Maritime Transport

With limited natural resources and an economy dependent on foreign trade, Japan relies heavily on ports and maritime transport to sustain economic development and a stable society. As the volume of Japan’s international container cargo continues to increase, priority has been given to improving the efficiency of maritime transport, especially to/from Asia.

Domestic shipping has been an important transport mode, carrying 40% of domestic freight cargo by ton-kilometer. Moreover, maritime transport is more energy-efficient and friendly to the environment than land transport, since the Government is pursuing a policy of “modal shift”, which will further increase the importance of domestic shipping.

Under these circumstances, a national consensus has emerged on the need to develop a rapid maritime transport means for both international and domestic cargo. Rapid maritime transport will promote the expansion of trade with Asian countries and realize the modal shift in domestic transport.

Development of the Techno-Superliner and its Advantages

To realize rapid maritime transport, the Ministry of Transport (MOT) is taking the initiative in developing a high-speed vessel named the “Techno-Superliner (TSL)”. As well as promoting the modal shift, Japan’s innovative shipbuilding technology is expected to create new demand for related industries and thus contribute to the expansion of economic activities.

Practical Utilization of the TSL

The MOT is now examining ways in which the TSL can be commercially utilized. With a range of approximately 1000km, the TSL can be introduced into middle/long-range domestic ferry routes, isolated island ferry services and Japan-East Asia international shipping routes. The aim is to introduce the first TSL into domestic shipping services in 2002, and then eventually into Japan-East Asia international shipping services.

To make the most of the TSL’s great speed, the MOT is also conducting research into developing specific port facilities that can facilitate rapid loading/unloading and mooring. To shorten the loading/unloading time, special gantry cranes which can load/unload four container boxes simultaneously and a double ramp way system for ferry-type TSL are being developed.

Challenges for the Future

The development of the TSL is expected to have various effects as follows: 1) to increase the efficiency of domestic/international maritime transport; 2) to develop the modal shift; 3) to improve the competitiveness of Japan’s shipbuilding industry; and 4) to attract new demand for related industries. From now on, the MOT will make every effort to introduce the TSL into international shipping services and to develop ports for the TSL.
alyzed cargo shipments.

As of 1999 Japan had handled 12 million TEUs of container cargo. As you can see on the lower half of this slide, because of the economic growth in the Asian region, Asia accounts now for a very large portion of the container shipments to and from Japan—indeed, 50% of Japan’s exports and 60% of its imports. So, the situation has changed quite a lot.

Now, if we look at the domestic shipping situation on a ton/kilometer basis, we see that maritime or ship transportation accounts for 41.2% and truck transportation for 55%. However, if you just look at the tonnage or the amount carried, then we see that trucks account for 90% and ships only for 8%.

As you know, the ratio for ship transportation is different for each country. For instance, it is 24% in the UK and 15% in the United States. These numbers reflect the different situations in each of these countries or regions. However, in Japan we would like to increase the proportion of sea transportation for the reasons that I will now explain.

From the perspective of protecting the environment, we can see from this chart that ships are much more friendly to the environment than trucks, if you look at the amount of CO₂ emissions each of these transportation modes generates. We would like to increase the volume of sea transportation not just because of the issue of CO₂ emissions. Truck transportation increases the risk of road accidents as well as causing vibrations and other disturbances to the residential community. So, we would like to reduce the amount of truck transportation and would like to raise the ratio of sea and rail transportation, which together account for 40% of all cargo, to 50% by the year 2010. Japan is committed to taking action on global warming. Thus, we believe it is our mission to move in this direction. So, under this policy objective, we would like to pursue ways of shifting the means of transportation from a land-based— or, more precisely, a truck-based—mode to maritime as well as rail transportation.

As we have explained, imports of goods from the Asian region as well as other regions are increasing. Also in view of the fact that we need to act in a way that is better for the environment as well as to reduce transportation costs, we decided that it was imperative to develop high-speed vessels, a mode of transportation that combines speed with the use of the sea.
Thus, we are now working on the development of a super-high-speed marine transportation system, which will reduce the time required for transportation and make the logistics simpler. This will help to expand the market as a whole. So, it is one of the expected outcomes of the development of this high-speed vessel. The other is from a completely different perspective. We wanted to further enhance the level of the shipbuilding technology in Japan and wanted to make that new technology available to the global community. So, to meet those two objectives, we embarked on and have basically completed the development of the TSL (Techno-Superliner).

To give you an outline of the Techno-Superliner, its speed will be 50 knots and it will be able to carry 1,000 tons of cargo. It will have a range of close to 1,000 kilometers. It has excellent seaworthiness, being able to resist waves of four to six meters high. This ship has been in development for the past ten years. The Ministry of Transport has supported its development, which has been carried out jointly with the private sector.

Traditionally it was thought that if you increased the speed of a vessel that would add to the water resistance. From an economic point of view, 25 knots will be the maximum economical speed of these vessels. But we made many improvements in technology and have resulted in a ship that can go at twice that speed - 50 knots.

How this vessel operates is that it relies not only on its own power of flotation but also applies air pressure to lift itself up. So, when it is operating and moving, it is lifted upward from the sea surface. That helps to reduce the water resistance.

In order to achieve this, we need a vessel that is very light. That is why we decided to use aluminum alloys for the structure of the ship, while we also needed an engine that would be very light as well as powerful. Thus, we decided to use gas turbine engines. The boat basically moves forward by spurring out a jet of water, thus gaining propulsion power.

The vessel you see here is the experimental TSL vessel that we constructed in 1994. It is half the size of the final design of the ship. We collected various experimental data on this vessel, so that we could move to the next stage of development. Now, this ship has fulfilled the initial objectives and purposes of the experiments, and since then has been put into commercial operation. It is now a ferry that can carry 260 passengers and 30 passenger cars, and travels at 40 knots. Modifications have been made to the ship to make it a commercial vessel.

It now operates in the Pacific Ocean. This past February we conducted a test voyage using this vessel, to see whether we could really use this kind of ship for international routes. We made a test voyage to Shanghai, China. The ship traveled a total of 3,900 kilometers at an average speed of 38 knots. We were able to prove that this ship was capable of making international trips and could thus be used as a mode of transportation for international routes.

Now, we have calculated what percentage of existing cargo shipments could be transferred to the TSL. We made the assumption that the cost of transportation would be higher for the TSL but that the journey time would be shorter. Whereas a conventional ship will take 60 hours to reach Shanghai,
the TSL will take 22 hours. So, taking those conditions into consideration, we calculated how much of the cargo would shift to the TSL. The result we came up with was that there was a possibility that up to 40% of the cargo being carried by existing ships would be shifted over to the TSL.

This map shows some of the routes on which it may be possible to use the TSL including domestic lanes or routes as well as international routes to neighboring Asian countries. Now, private shippers or ocean carriers are very interested in operating the TSL on domestic as well as international routes. So they are now in the process of studying the possibility of establishing routes using the TSL.

It is a fact that the TSL travels very fast. However, its significance would be diminished if it took a long time to process the cargo at the ports. So, we have examined how to speed up the cargo handling at ports for the TSL vessels. We have come up with a system that is able to handle four containers simultaneously as well as a system that would allow the TSL to rapidly moor itself to the port. So we are developing these kinds of port-related systems for the TSL.

It is a little difficult to see in this chart, but the gantry crane spreader will be used only for vertical movement, while horizontal movement will be handled by a carriage inside the crane. This will allow high-speed and safe container handling.

Furthermore, we are developing port-side facilities that can accommodate changes in the draft or shifts in the tide level very flexibly. Also developed is the one-way cargo-handling scheme where the vehicles flow in one way when loading and unloading. So, this is the new port layout that is envisioned for the TSL.

So far I have been talking about the TSL vessel itself and also about the ports that will handle the TSL.

We started this project in 1989. Within this year we are going to set up a scheme to bring about the commercialization of the TSL. As I said, this year, we have carried out an international test voyage. The next step is the establishment of a holding and management company of the TSL. We feel that it may be premature to have private companies own the TSL vessels and to start operating them right away. There is some reluctance from the private sector about doing that immediately. So, we have decided to set up this holding and management company, which will own and provide maintenance for the TSL with the support from the government. By the end of this year we plan to select the carrier or the shipper who will operate the vessel, and we plan to have the first shipping operations in the year 2002.

Now, let me explain a little about the scheme of the holding company. The company will be funded by three parties. One is the private sector, the other is the Corporation for Advanced Transport Technology, and the third is the central government. Those three parties have each contributed in terms of funding and providing technology. Together they have established the TSL holding company. So, this holding company is charged with the task of increasing the operational reliability of the vessels as well as reducing the maintenance cost. This TSL holding company will own the TSL vessels and would lease those vessels to the private operators who wish to utilize the ship.

As I mentioned earlier, if you use this TSL the journey time to Shanghai will be 22 hours, just about one day, compared with a conventional ship, which takes two and a half (2.5) days. If one can reach Shanghai in a day, that means that we could import fresh products from there or elsewhere in China for the Japanese market. This would have wonderful implications for both China and Japan.

Just like when the advent of container vessels changed the landscape of ports, I believe the introduction of the TSL on many routes in many countries will again change how ports operate and look. So, with the introduction of the TSL, I think the ports will need to review how they are to respond to these changes, to work on developing facilities that takes full account of the IT revolution and to equip themselves to handle these vessels in the future.

Thank you very much for your attention.
ESCAP
Regional Shipping and Port Development Strategies Under a Changing Maritime Environment
(Item 5(a) of the provisional agenda)
Note by the secretariat

INTRODUCTION
1. In the process of globalization, containerization is continuing to make a vital contribution to the region’s rapidly growing international trade. It provides shippers with safe, easy and relatively cheap access to international markets in any part of the world through a highly integrated, efficient network of trunk routes and feeder services utilizing trans-shipment opportunities. Despite the recent economic downturn, there has been increased demand for additional container shipping and port capacity in the region.
2. This document reviews the changes in the maritime environment, including the recent economic developments in the region, the changing structure and volume of container trade, the rationalization and concentration of container shipping and port services and the possible further deregulation in the maritime sector, together with implications for the long-term competitiveness of the maritime industry of the region. The document also puts forward a scenario as a basis for discussion of regional shipping and port development strategies.

ECONOMIC CRISIS AND RECOVERY IN ASIA
3. There is growing evidence that Asian economies hit by the financial crisis, after experiencing a deep contraction in 1998, have entered a positive phase of recovery. Although countries of the region differed widely, the Asian developing countries as a group achieved gross domestic product (GDP) growth of 6 per cent in 1999 rebounding from the low of 3.8 per cent recorded in 1998.2
4. The crisis resulted in a severe contraction of imports and expansion of exports, adversely affecting container trade by creating an unprecedented need to reposition huge numbers of non-revenue-generating empty containers. Although global shipping operators were better placed than smaller shipping companies from the region to accommodate the imbalances, the scale of the problem has now resulted in the imposition of repositioning surcharges.
5. There is a general view that economic and trade growth rates indicate that the Asian crisis is over. Many analysts view the long-term growth prospects for the region still as favourable, despite the crisis. However, some investors are still concerned that Asia has yet to address some of the underlying issues related to the crisis and that fundamental weaknesses remain. They point to the decline in the value of several Asian currencies since the beginning of 2000 as a possible sign of relapse.3 There has been a reduced level of overseas direct investment, which in Indonesia fell nearly 60 per cent in 1998 and declined further by nearly 20 per cent in 1999. Similarly, in the Philippines, reductions of 61 per cent were experienced in 1998 and a further 30 per cent in 1999. Even in China, where foreign investment has increased steadily during the last decade, it declined by 11 per cent in 1999.3
6. Confronted with increasing demand for container capacity and the heavy reliance on export-led growth at a time of reduced investor confidence, countries have a limited number of options available in which they can explore comparative advantage while at the same time seeking approaches to reduce risk.

SUMMARY
SEEkING further economies of scale, global container shipping lines continue to rationalize services and deploy larger and faster ships to call at a small number of sophisticated high throughput ports connected to regional hinterlands by an extensive, integrated network of feeder services. With the size of investments being made by global shipping operators in new tonnage and major ports in new infrastructure and equipment, it is becoming increasingly difficult for developing countries in the region to keep pace and for their shipping lines to remain competitive in providing intercontinental container shipping services or elevating their ports to hub status.

In these circumstances, governments need to review policies and strategies to ensure that they can maintain access to efficient and competitive shipping services. In this process, there is a need to reconsider the role of government in encouraging a national flag presence in essential shipping sectors where comparative advantage can be identified and risks limited. For the ports sector, with the need for substantial investment and efficiency-enhancing operating systems, there is a need to focus on further promoting private sector participation in port investment, management and operations.

REGIONAL DEVELOPMENT OF CONTAINER TRADE
7. Since the introduction of containerization, throughput in the ports of each of the regional member countries has continuously increased due to economic growth, and several other factors including container penetration of general cargo trades, the movement of empty containers and increased trans-shipment. Owing to a combination of these factors, container throughputs have increased even in periods of regional recession, as was the case during the Asian economic crisis (figure 1).
8. During the 1990s, world container port throughput grew at an annual average of 8.7 per cent. Container development in the Asian and Pacific...
region has been more dramatic, with an annual growth rate of 10.8 per cent. Currently, around half of the world’s container traffic is handled at ports within the ESCAP region. Containerized cargo represented 54 per cent of world general cargo trade in 1999, compared with 48 per cent in 1995 and 37 per cent in 1990. The potential saturation point for containerization has been estimated to be around 65 per cent, suggesting that there is further significant potential growth in the world and the ESCAP region. The regional member countries are likely to see a substantial growth in container traffic due to further economic development, in particular in China, and in the countries of Indo-China and the Indian subcontinent, owing to the substantial potential for further container penetration.

9. Container traffic includes the movement of full containers, and includes partially filled containers and empty repositioning movements. The combined loaded container traffic on the three major Asian routes, transpacific, Asia-Europe and intra-Asia, increased continuously from 21.1 million TEU (twenty-foot equivalent unit) in 1996 to 25.9 million TEU in 1999. However, intra-Asian container trade, which had experienced dramatic annual growth rates of 15 to 20 per cent until the first half of 1990s, witnessed negative growth of 5.8 per cent in 1998, subsequently resuming a growth pattern in 1999 owing to the recovery of the region.

10. Over the period 1996-1999, trade imbalances increased rapidly on the transpacific route with eastbound export trade growing by 53 per cent from 4.96 million TEU to 7.61 million TEU, while westbound import trade was down by 7 per cent from 4.33 million TEU to 4.02 million TEU during the same period. The imbalance in the Europe-Asia route also increased, but to a lesser degree.

11. The deep imbalance in the container traffic has created a need to bring additional empty and non-revenue-generating containers into the Asian region. Around the world, 30 million TEU of empty containers were handled at port in 1996. However, it is now estimated that this number increased to 41 million TEU in 1999. Most of the ports within the region experience high throughputs of empty containers. The port of Hong Kong, China, for example, handled 3.4 million TEU of empty containers in 1996 and 4.8 million TEU in 1999, accounting for 13.7 and 17.7 per cent respectively of total throughput in those years.

12. Trans-shipment is essential for the efficient utilization of extremely large container vessels if they are to obtain economies of scale. It is estimated that trans-shipment currently\n
\n\nTable 1 Container trade on major Asian routes*  

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<td>Transpacific</td>
<td>Eastbound</td>
<td>4,959</td>
<td>5,723</td>
<td>6,845</td>
<td>7,610</td>
<td>8,237</td>
</tr>
<tr>
<td></td>
<td>Westbound</td>
<td>4,333</td>
<td>4,463</td>
<td>3,839</td>
<td>4,016</td>
<td>4,368</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>9,292</td>
<td>10,187</td>
<td>10,684</td>
<td>11,626</td>
<td>12,605</td>
</tr>
<tr>
<td>(% change)</td>
<td></td>
<td>(8.8)</td>
<td>(9.6)</td>
<td>(4.9)</td>
<td>(8.8)</td>
<td>(8.4)</td>
</tr>
<tr>
<td>Asia-Europe</td>
<td>Eastbound</td>
<td>2,565</td>
<td>2,798</td>
<td>3,342</td>
<td>3,533</td>
<td>3,860</td>
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<tr>
<td></td>
<td>Westbound</td>
<td>2,008</td>
<td>2,187</td>
<td>2,026</td>
<td>2,544</td>
<td>2,713</td>
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<tr>
<td>Total</td>
<td></td>
<td>4,573</td>
<td>4,984</td>
<td>5,368</td>
<td>6,077</td>
<td>6,573</td>
</tr>
<tr>
<td>(% change)</td>
<td></td>
<td>(9.5)</td>
<td>(9.0)</td>
<td>(7.7)</td>
<td>(13.2)</td>
<td>(8.2)</td>
</tr>
<tr>
<td>Inter-Asia</td>
<td>Total</td>
<td>7,228</td>
<td>7,766</td>
<td>7,343</td>
<td>8,150</td>
<td>8,590</td>
</tr>
<tr>
<td>(% change)</td>
<td></td>
<td>(3.3)</td>
<td>(7.9)</td>
<td>(5.8)</td>
<td>(11.0)</td>
<td>(5.4)</td>
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<tr>
<td>3 major routes total</td>
<td></td>
<td>21,093</td>
<td>22,967</td>
<td>23,395</td>
<td>25,853</td>
<td>27,768</td>
</tr>
<tr>
<td>(% change)</td>
<td></td>
<td>(7.0)</td>
<td>(8.9)</td>
<td>(1.9)</td>
<td>(10.5)</td>
<td>(7.4)</td>
</tr>
</tbody>
</table>

* Refers to loaded containers only.

(5) Korea Maritime Institute, World Shipping Outlook, December 1999 pp.47.58 and 73 (in Korean).
accounts for around a quarter of the global container port throughput. Singapore, the hub port for much of the South-East and South Asian cargoes, is estimated to have handled more than 11 million TEU of trans-shipment containers in 1999, representing 70 per cent of the total container throughput of 15.9 million TEU. The trans-shipment ratio of the port of Colombo in the same year was also around 70 per cent of the total throughput of 1.7 million TEU.

13. In addition to the traditional hub and spoke system, global alliances of carriers have recently begun to provide multiple, overlapping service strings comprised of a blend of services that call only at main hub ports and services that call at secondary hub ports. This has increased the importance of secondary ports such as Shanghai (China), Port Klang (Malaysia) and Tanjung Priok (Indonesia), which have recorded very high increases in container throughputs. All three ports have made substantial investments in infrastructure and efficiency-improving technology and management systems in collaboration with the private sector.

CONCENTRATION OF CONTAINER SHIPPING AND PORT SERVICES

A. Shipping

14. Global container shipping companies are under intense pressure to compete in providing shippers with services that include fast transit times, high frequency and low cost. This has given rise to two trends: deployment of increasingly large ships to obtain economies of scale and alliances and mergers/acquisitions of carriers as an approach to rationalizing investment, spreading risk and reducing administrative costs.

15. Major Asian deep-sea trades are already dominated by 4,000-6,000 TEU vessels. By the year 2002, ships in excess of 7,000 TEU will come into operation on Asian routes and some carriers are considering constructing and deploying even larger ships with capacities approaching 12,000 TEU and beyond. The implications of such increases in ship size will be an even greater focus on the hub and spoke system, in which the biggest ships will call at only a limited number of very efficient ports on the main trunk routes, with other ports being linked by extended feeder networks. Through this approach, carriers will maximize the utilization of vessel capacity and reduce port/transit time.

16. Cooperation between container shipping companies in many different forms of partnership such as slot purchase, slot exchange, vessel-sharing agreements or joint ventures has been an essential feature of the industry for a long time. However, those forms of carrier cooperation have tended to be on a trade-specific basis. For example, a carrier would prefer a particular partner in the transpacific trade but another partner for Asia-Europe trade.

17. In recent years, however, there has been a growing trend towards carrier alliances on a global basis. This consolidation has been accelerated through mergers and acquisitions. Although the majority of the carriers acquired have been second- or third-tier operators, some significant carriers, including APL and DSR-Senator, were taken over by NOL and Hanjin respectively. P&O Containers and Nedloyd Lines merged in 1997 to create P&O Nedloyd Container Line, which later took over Blue Star Line and Tasman Express Line. Evergreen became the second largest carrier in the world, in terms of TEU slots under its control, through the takeover of Lloyd Triestino in 1998. In 1999, Maersk Line acquired the international shipping operations of Sea-Land to form a company controlling 9.2 per cent of the world container shipping fleet. As a consequence of these developments, the 20 largest carriers now control around 56 per cent of the world container fleet and the top five lines own or operate more than 25 per cent.

18. In response to shipper demands for high frequency services,
all the major alliances provide multiple
weekly services on the transpacific,
Asia-Europe and transatlantic routes,
thereby offering global services (table
2).
19. Shippers in the region appear
to have benefited not only from the
improved frequency and reliability of
service but also from containment of
freight rates, which on average, did not
increase during the period 1995-1999
(figure 4). However, since 1998, when
Asian exports began to lead the eco-
nomic recovery, freight rates to North
America and Europe have risen signifi-
cantly, while Asia-bound rates have
declined (figure 5).
20. Recent freight increases have
been compounded by additional ancil-
lar charges such as repositioning sur-
charges, terminal handling charges and
document charges, in part due to ineffi-
cient cargo handling, complex docu-
mentation procedures and lack of elec-
tronic data interchange systems at
many regional ports.

B. Ports
21. In parallel with the concentra-
tion of container shipping, container
throughputs are growing more quickly
at hub ports and newly emerging ports
which can offer an international stan-
ard of service along with substantial
concentrations of containerized cargo.
The world’s top 20 container ports han-
dled 96.4 million TEU in 1999, account-
ing for 52 per cent of world container
port throughput. In the Asian and
Pacific region, the concentration of port
throughput is even more prominent,
with the 10 busiest ports handling 61.6
million TEU or 68 per cent of the
region’s total throughput in 1999.
22. In the intensified battle for
hub status, international container ter-

mal operators are extending the
scope and scale of their activities and
are operating terminals in ports around
the world.
23. PSA Corporation of Singapore
currently operates terminals in 10 differ-
ent ports and continues to maintain its
expansion strategy. Hutchison Port
Holdings (HPH), in addition to its facili-
ties in Hong Kong, China, operates
eight overseas terminals, as well as
nine in China. Around 32 million TEU or
20 percent of the world container
throughput, was handled at the termin-
als operated by PSA and HPH in 1998.
P&O Ports Australia operates 21 termin-
als across the globe, handling 7 million
TEU a year. International Container
Terminal Services Inc. of the Philippines
operates six overseas terminals and is
planning to further expand its interna-
tional operations. Many other interna-
tional and domestic private sector com-
panies are also operating terminals in
the region.
24. Without exception, it would
appear that, where the private sector
has participated in port development,
management and operation projects, it
has been successful in improving ser-
vice levels and productivity while
reducing or containing handling costs.

DEREGULATION AND LIBERALIZA-
TION OF MARITIME TRANSPORT
25. As mentioned earlier, global
carriers have been focusing attention on
providing competitive shipping services
in terms of frequency, transit time and
price, and shippers appear to have ben-
efited. For counties which are becom-
ing increasingly reliant on the provision
of efficient third-party shipping ser-
dices, maintaining a competitive envi-
ronment is of paramount importance.
26. The maritime transport sector,
reflecting the freedom of seas, is
already relatively liberalized compared
to other service sectors. Even so, further
liberalization in the international ship-
ning market is receiving increased
attention.
27. There has long been general
international acceptance of shipping
conferences as a means of ensuring a
stable liner shipping environment.
However, the exemption of conferences
from antitrust legislation has been ques-
tioned by supporters of competi-
tion-based market mechanisms. In par-
ticular, the European Union has been
active in pursuing the abolishment of
conference practices. The ocean
Shipping Reform Act 1999 (OSRA) of the
United States of America is also pro-
moting radical changes to liner ship-
ning although current antitrust immuni-
ty is still maintained within a regulated
framework.
28. Maritime issues are being dis-
cussed in several forums. Within the
Asia-Pacific Economic Cooperation
forum, the Transportation Working
Group is considering initiatives to pro-
"
Free Trade Agreement (NAFTA) Transportation Consultative Group on Maritime and Port Policy. Although NAFTA does not provide for full trilateral coverage of maritime services, it includes maritime commitments between Canada and Mexico, which may impact on investments in shipping companies and the regulatory regimes governing maritime traffic between the two countries. In the Association of Southeast Asian Nations, there have been negotiations aimed at increased market access in seven priority service sectors, including maritime transport.

29. Perhaps most importantly for the ESCAP region, maritime transport services are included in the General Agreement on Tariffs and Trade (GATS) within the multilateral framework of the World Trade Organization (WTO). During the Uruguay Round, international maritime transport was recognized to be already highly liberalized, and maritime auxiliary services and access to and use of port services were therefore included in the maritime schedule for discussion. The negotiations are due to resume within the WTO framework and may be extended beyond auxiliary services and ports to include issues such as multimodal transport, liberalization of internal waterways and the land transport leg of international maritime transport.

30. In the increasingly concentrated shipping and port market, the scale of investments being made by international shipping lines and ports is huge and it is increasingly difficult for developing countries in the region to keep pace. It is clear that the future shipping and port industry will be shaped, in part, by a more liberalized environment. There is therefore an urgent need to implement more robust policies if the public and private sectors in each of member countries are to be successful in providing competitive shipping and port services.

31. To provide ESCAP countries with a regional planning context for the development of shipping and port investment strategies, the secretariat has recently commenced a new study which will investigate international container trade flows and provide medium-and long-term forecasts up to the year 2011 of container shipping and port capacity requirements in each of the member countries. The project will apply the “maritime policy planning model” developed by ESCAP, taking full account of the impact of changes in the maritime environment on the development of container shipping and ports in the region. The study is being undertaken in collaboration with the Korea Maritime Institute, which signed a memorandum of understanding with ESCAP in 1998, and with funding support from the Republic of Korea.

32. The study will provide comparative benchmarks for national forecasts being undertaken by individual countries, shipping lines and ports to assist regional countries in focusing development strategies. However, there is an urgent need for member countries to take full cognizance of the implications of current maritime developments within the wider context of regional economic development, largely driven by international trade.

33. In this process, it may be possible to identify the critical areas in which national services should be maintained or improved and other services that can be more efficiently provided by third parties. For example, mainline shipping services have become concentrated in the hands of a limited number of highly efficient global carriers which are working in an environment of intense competition. This would appear to be to the benefit of shippers and the development of regional trade but, at the same time, has made it more difficult for regional developing country shipping lines to compete. Countries could continue to explore the benefits of utilizing international carriers for mainline services while seeking niche markets for the national flag fleet where they can show comparative advantage.

34. In the same context, more than 95 per cent of the region’s international trade moves through national ports. Any inefficiency adds to the delivered cost of transport. For example, mainline shipping lines have increased their share of the global fleet from 41 to 56 per cent. Following this trend, further consolidation can be anticipated in the coming years. The smaller number of major operators will continue to play a central role in the region’s maritime sector. For all countries, and particularly those which are net importers of maritime services, maintaining a competitive environment is one approach to maximizing quality and controlling prices. Already the member countries of the Organisation for Economic Cooperation and Development (OECD) are undertaking research in preparation for the upcoming negotiations under WTO. OECD is also organizing seminars to discuss and exchange experience between its members and selected developing countries. The GATS negotiations within the WTO framework provide regional countries with the opportunity to express their opinions and positions with respect to the increasing liberalization of the maritime sector and on how competition is to be maintained. However, considerable preparation and discussion are required at the national, subregional and regional levels, if the implications of these important negotiations are to be fully comprehended.

35. The container sector is going through one of its most important phases of development, providing developing countries with an opportunity to review their development strategies. Within the context of the developments described above, there are critical issues that require urgent attention in the shipping and port sector. To address these issues, a number of actions are required to be implemented at the national level by governments, authorities and the private sector, and supporting initiatives at the regional level to be implemented by international and regional organizations and funding agencies, including bilateral donors. The Committee may wish to consider the actions indicated below and offer further guidance:

1. Liberalizing the shipping sector and maintaining competition in the liner market

   Background. Global shipping lines provide the vital trunk services by which member countries in the region can efficiently access their international markets. Between 1996 and 1999, the world’s top 20 container shipping operators increased their share of the global fleet from 41 to 56 per cent. Following this trend, further consolidation can be anticipated in the coming years. The smaller number of major operators will continue to play a central role in the region’s maritime sector. For all countries, and particularly those which are net importers of maritime services, maintaining a competitive environment is one approach to maximizing quality and controlling prices. Already the member countries of the Organisation for Economic Cooperation and Development (OECD) are undertaking research in preparation for the upcoming negotiations on GATS within the framework of negotiations under WTO. OECD is also organizing seminars to discuss and exchange experience between its members and selected developing countries. The GATS negotiations within the WTO framework provide regional countries with the opportunity to express their opinions and positions with respect to the increasing liberalization of the maritime sector and on how competition is to be maintained. However, considerable preparation and discussion are required at the national, subregional and regional levels, if the implications of these important negotiations are to be fully comprehended.

   National action. In preparation for the upcoming negotiations on GATS, countries should review national positions and identify a focal point which would bring together the opinions of the private sector and industry for the consideration of government in finalizing its position. Where possible, national research institutions should be identified which can consolidate information on the positions of other countries with similar economic backgrounds, analyse the implications of
alternative positions and support delegations with the necessary data and information during the negotiation process.

**Supporting regional initiatives.** Regional and subregional seminars could be organized to provide details of the latest developments and to provide the opportunity for an exchange of experience and views on the critical issues to be considered within the GATS negotiations, as well as issues related to maintaining competition. Regional institutions of excellence could be identified that could play a role in networking and supporting national institutions.

(2) **Identifying markets where developing country fleets have a comparative advantage**

**Background.** Nearly every country of the region has policies to expand its national fleet. However, with the massive, ongoing investments in container shipping being made by the major lines, their extensive network of global services and the intense competition in the industry, it is difficult for developing country fleets to compete in this market.

There is therefore a need to identify and promote national flag carrier involvement in areas where there is comparative advantage or strategic necessity. In the container sector, possible opportunities for further growth include niche markets such as in the provision of feeder services or express shuttle services between a national port and single international destinations. An alternative or complementary approach could be to develop services in collaboration with international shipping operators.

**National action.** There is an urgent need to critically review the viability and business plans of the national flag fleet and the present levels of direct and indirect support provided by government. Countries should also identify policy and strategic requirements within the shipping sector and ways in which these could be achieved at minimum cost. Partnership opportunities should be sought where complementary resources and skills can be brought together with a view to exploring opportunities where national flag shipping can be successfully deployed.

**Supporting regional initiatives.** Assistance should be given to countries in undertaking their reviews and providing the opportunity to share positive experience in the methodologies and processes applied.

(3) **Providing a platform for national shipping lines to compete on an equal footing with international operators**

**Background.** In an effort to contain costs, some of the major international container operators, many of whom are based in developed countries, “flag out” their ships to provide greater flexibility of operation and other fiscal advantages. While the majority of countries in the region have policies to expand the national flag fleet, the regulations and requirements, which sometimes include the imposition of duties and taxes, discourage companies from registering under the national flag.

**National action.** Countries having policies to promote the expansion of the national flag fleet should review existing requirements, and particularly prevailing taxes and duties on shipping which operates in international services, with a view to increasing the attractiveness of registration and the competitiveness of the national flag. In this process, governments should seek the assistance of the private sector, and in particular the opinions of domestically owned lines which have chosen to register overseas.

**Supporting regional initiatives.** A new analysis of the different registration regimes could be prepared as the basis for discussion and consideration of regional countries. A meeting of experts could be organized to provide the opportunity for sharing experience and details of studies to evaluate alternative proposals.

(4) **Encouraging increased private sector involvement in ports**

**Background.** Experience to date has shown that, where the private sector has participated in port development, management and operation projects, it has been successful in improving service levels and productivity while reducing or containing costs. Nearly all member countries in the region have policies to encourage increased private sector involvement in ports. Yet, even with proven demand and declared political commitment, the level of take-up by the private sector in many countries has been much lower than anticipated. Major obstacles to private sector involvement in regional ports have been cited as lack of transparency and continued resistance from labour as it is foreseen that existing policies of transferring labour from terminals which have been privatized to other parts of the port which are still under public sector control are not sustainable in an environment of increasing privatization.

**National action.** To harness the strengths of the private sector, governments should take a proactive role in ensuring transparency in the process of privatization and safeguarding the rights of users, investors and workers. Unbiased regulatory bodies could be established to oversee the process of privatization. Governments need to ensure that there is dominant public opinion in favour of private sector participation in ports and engage labour in discussion on possible approaches to finding an equitable solution to employment issues related to privatization and the streamlining of existing employment practices.

**Regional supporting initiatives.** Regional seminars to exchange regional experience in establishing regulatory authorities, although still somewhat limited, could lay the groundwork for employing best practice models. This could be particularly useful where labour issues have been resolved equitably.

(5) **Streamlining port procedures**

**Background.** Containerized cargo passing through regional ports is often delayed due to cumbersome regulations and documentary requirements to the extent that it can spend as long in the port as it has traveling from another continent.

**National action.** While the simplification of regulations and documentary requirements is in process, governments can take a proactive role in identifying, with traders and the maritime industry, the unnecessary obstacles which are delaying the movement of goods. Facilitation of shipping movements in and out of ports through access and adherence to the International Maritime Organization (IMO) Convention of Facilitation of International Maritime Traffic, 1965, as amended, could be a first step in this regard. To simplify the processing of documentation one-stop shops can be established at all ports to reduce wasted time.

**Supporting regional initiatives.** The identification and cataloguing of productivity indicators applied in regional ports and a comparative analysis of performance could assist countries in identifying priority areas for specific attention.

36. In considering the above proposals, the Committee is invited to share information on national shipping and port development strategies under the changing maritime environment and to provide guidance to the secretariat on priorities and future directions of work in this area.

(8) Only 14 ESCAP member and associate members have acceded to or accepted the IMO Convention.
Ballast water task force sets to work on alien invaders

The world’s oceans are under threat - from over-fishing and from physical destruction.

As if this is not enough, they are also under threat from alien invaders - marine species transported beyond their natural range and dispersed across the globe by shipping.

In July, a Global Task Force was convened by IMO in alliance with the United Nations Development Programme (UNDP) and the Global Environment Facility (GEF). The Task Force launched a concerted response to this severe environmental problem.

The new initiative is the Global Ballast Water Management Programme, or GloBallast. Under the GloBallast programme, US$7.6 million is being deployed through IMO to assist developing countries to reduce the transfer of harmful marine organisms. This is being achieved through technical co-operation, capacity building and institutional strengthening activities in six initial demonstration sites in Brazil, China, India, Iran, South Africa and Ukraine. Activities to be undertaken include education and awareness raising, risk assessments and biological surveys, development of laws and regulations, training of personnel in ballast water management measures and the implementation of compliance monitoring and enforcement measures.

Shipping moves over 80 per cent of the world’s commodities and transfers around 10 billion tones of ballast water each year. Ballast is absolutely essential to the safe and efficient operation of ships, providing balance and stability when empty of cargo. However, it may also pose a serious ecological, economic and health threat.

The problem arises when ballast water contains marine life. There are literally thousands of species that may be carried in ships’ ballast; anything that is small enough to pass through a ship’s ballast water intake pumps. This includes bacteria, small invertebrates and the eggs, cysts and larvae of various species.

The Chief Technical Adviser to the GloBallast initiative, Captain Dandu Pughiluc, said that the development of larger, faster ships combined with rapidly increasing world trade means that the natural barriers to the dispersal of species across the oceans are being reduced. As a result, whole ecosystems are being changed and economic impacts can be massive. In one example from North America, the introduced European zebra mussel has infested over 40 per cent of internal waterways and has required over US$5 billion in expenditure on control measures since 1989.

In several countries, introduced microscopic “red-tide” algae have been absorbed by filter-feeding shellfish, such as oysters. When eaten by humans, these contaminated shellfish can cause paralysis and even death. There are hundreds of examples of major ecological, economic and human health impacts across the globe. It is even feared that cholera may be transported in ballast water.

During the Task Force meeting in London in July, international environ-
mental group Friends of the Earth described the GloBallast programme as “the most exciting environmental project in the world today.”

“With the planning phase completed and a clearly defined course of action agreed by the Global Task Force, the challenge now is to commence physical action,” said Captain Pughuc.

“In the next few months we will be working closely with the six pilot countries to develop their national action plans and commence implementation of activities,” he said.

Since July, the six pilot countries made substantial progress on developing their National Workplans. These detail the activities, budgets and timelines for the in-country implementation of the various components of the GloBallast programme.

IMO’s MEPC is working on developing mandatory regulations to address the problem of the transfer of harmful aquatic organisms in ballast water.

The overall outline of a draft legal instrument has been prepared, though agreement still needs to be reached on a number of key issues. A working group at the MEPC’s 45th session in October will continue to work on the issue and it is planned to hold a diplomatic conference during 2002 to adopt the new measures. The proposed instrument is a new international convention “for the control and management of ships’ ballast water and sediments.”

Current options for preventing the spread of harmful aquatic organisms in ballast water include exchanging the ballast water in deep ocean, where there is less marine life and where organisms are less likely to survive. Other options include various treatments of the ballast water en route to kill the living organisms—these include filtration, chemical, and radiation treatments.

Websites:
The GloBallast web site is under development and will be located at http://globallast.imo.org
IMO http://www.imo.org
IMO Focus Papers http://www.imo.org/imo/focus/intro.htm
Joint Group of Experts on the Scientific Aspects of Marine Environmental Protection (GESAMP) http://gesamp.imo.org/
National Marine Invasions Center, Smithsonian Environmental Research Center http://invasions.si.edu/

International Maritime Information

A bulk carrier discharging ballast water.

Ballast water taken up in one part of the globe and discharged in another may introduce non-indigenous species which could harm the local ecosystem. (Photograph by Steve Raaymakers)

Main organizations involved in the Globalast programme:
IMO—the specialized agency of the United Nations with responsibility for safety of shipping and the prevention of marine pollution by ships.
United Nations Development Programme (UNDP)—UNDP’s mission is to help countries in their efforts to achieve sustainable human development by assisting them to build their capacity to design and carry out development programmes in poverty eradication, employment creation and sustainable livelihoods, the empowerment of women and the protection and regeneration of the environment, giving first priority to poverty eradication.
Global Environment Facility (GEF) - GEF is a fund that helps countries translate global concerns into national action to help fight ozone depletion, global warming, loss of biodiversity and pollution of international waters by means of grant funding. The managing partners of GEF are the World Bank, the United Nations Development Programme and the United Nations Environment Programme.

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India International Maritime EXPO 2001

Endorsed by
• Ministry of Surface Transport - Government of India
• Indian Ports Association
• Dredging Corporation of India Limited
• Oil & Natural Gas Corporation Limited-India
• Hindustan Shipyard Ltd.-India
• The Container Shipping Lines Association-India
• Mumbail and Nhave-Shea Ship-Intermodal Agents Association-MANSA, India
• Federation of Ship-Agents’ Association - India
• International Association of Ports & Harbors-IAPH, Tokyo-Japan
• German Shipbuilding and Ocean Industries Association-VSM-Germany
• The Institute of Marine Engineers-IME-UK

The Venue
Mumbai, well known perhaps as Bombay—the capital of the state of Maharashtra—a port city of major industrial & commercial importance on the west coast of India.
of India. Home to the largest film Industry (Bollywood) in Asia, it is also a major industrial hub for the maritime industry. 90 per cent of all maritime related industries have representations here.

A metropolis which draws both dreamers and dream merchants into its fold. A city with a cosmopolitan outlook.

Predominantly Marathi speaking, the population consists of a cross section of people from other states too. An important gateway to trade for years, it still boasts of docks, harbours and ports dotting its coastline. Bombay has bustling shipyards and boat yards to boast of.

INMEX 2001 - is poised to cover the entire gamut of maritime industries. It is aimed at underscoring India’s achievements in the maritime industry during the last 50 years of its independence. INMEX 2001 highlights the challenges and opportunities that lie ahead while entering the next millennium. The core areas of the exhibition are shipping, shipbuilding, shiprepair, ports and harbours, port development, port infrastructure, fishing industry, leisure industry, tourism industry, offshore, dredging, inland waterways, oceanography, etc.

INMEX 2001 will provide the ideal launching pad for overseas companies to enter the maritime market in India.

INMEX 2001 will give an opportunity to seafarers, technocrats, analysts, equipment manufacturers and users, buyers and sellers to meet and exchange views under one common umbrella, thus expanding the nation’s technology base. The exhibition will span over four days and will be held at Mumbai, a city renowned for its maritime culture. The dates Oct 10-13, 2001 are suitable from the point of view of weather, local and international holidays, etc. Also taken into account is the fact that it does not clash with any other major international maritime events.

The Main Exhibition Area will cover approximately 8,000 sq. mts and the space can be booked either as Shell Scheme or Raw Space.

Shelling Scheme: Each shell scheme of minimum of 9 sq.mts will include white laminated octonormal panels on 3 sides, of size 1 mt width and 2.5 mts height. The fascia will be with vinyl lettering. Four spot lights, one information counter, two foldable chairs, 1 plug point - 5A/15A and a waste basket will be provided.

Raw Space: Minimum raw space is 30 sq.mts. The space is floor marked in the exhibition hall. The exhibitor is free to design his stand keeping in mind the organiser’s regulations on stall construction and decoration.

Tariff:

Shell Scheme (minimum of 9 Sq.mts) per sq.mt. - US$350
Raw Space (minimum of 30 Sq.mts) per sq.mt. - US$300

Exhibitor Profile (refer annexure for details)

- Government and private port operators & authorities
- Port developers/port managers/port infrastructure
- Fishing industry, leisure industry, tourism industry, offshore, dredging, inland waterways, oceanography, etc.
- Dredging technology and equipment manufacturers
- Shipyards/ship design/shipbuilders
- Boat builders/boat repairers
- Engine and propulsion systems
- Maritime equipment - Manufacturers/traders
- Communication - navigation
- Information technology-marine CAD/CAM-ERP
- Ship owners/ship managers/ship maintenance
- Offshore oil technology and equipment
- Inland waterway transportations systems
- Logistics
- Research and training institutions from India and overseas
- Marine related associations
- O ceanography/environmental protection
- Financial institutions/classification
- Societies/insurance and legal organizations

For further details, contact:
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Paradeep Deviah & Associates
PDA House
No.32/2, Spencer Road, Frazer Town,
Bangalore-560 005
Tel: 91-80-5547169, 5547434
Fax: 5542258
E-mail: pdexpo@vsnl.com

WCN, publisher of WorldCargo News, acquires Bulk Materials International (BMI)

WCN Publishing is pleased to announce the acquisition of Bulk Materials International (BMI) from SIEMEX INTERNATIONAL.

WCN Publishing is the publisher of the market-leading publication, World Cargo News which is recognized worldwide for its professional approach to the coverage of container and general cargo handling. BMI will complement this title and the same high editorial and production standards will be brought to bear under our ownership.

BMI will continue to focus on the high-capacity/heavy duty handling, transport and storage of bulk commodities and raw materials which are moved in large volumes. It will publish bi-monthly through 2000/2001 and it is our intention thereafter to increase publication to ten issues per year from JANUARY 2002.

Launch of Tokyo News Service's Website

Tokyo News Service Limited has posted its website “S&TN Online” on the Internet. Providing the homepage for easy reference a new liner shipping schedule and related data extracted from Shipping and Trade News and Sea Sprite.

With users of the website daily being offered free of charge, we would like to inform you to sign up to access the latest update on the homepage by introducing the information wanted on the registration page.

URL: http://www.tokyonews.co.jp/marine


24 PORTS AND HARBORS December 2000
Halifax Port Authority and Halterm Agree on 20-Year Lease

HALIFAX, N.S.-The Halifax Port Authority (HPA) and Halterm Limited reached an agreement today for a 20-year lease that will secure Halterm’s long-term competitive future as a container terminal operator in the Port of Halifax.

“Both of our organizations are extremely pleased that we were able to work through the difficult issues and reach a mutually beneficial resolution,” said David Bellfontaine, President & CEO of the Halifax Port Authority. “As everyone knows, these negotiations were arduous. But now that we have a commercial deal, the Port Authority and Halterm can work together to help make the Port of Halifax an even better place to do business.”

The deal helps us remove the uncertainty facing Halterm and its employees, said Halterm President Pat Morin. “While the bargaining was tough, it resulted in a deal that’s good for Halterm, good for the Port Authority, and good for Halifax and the Province of Nova Scotia. Together we can now concentrate on building an even brighter future for the Port.”

While the terms of the agreement are still confidential, both sides did offer compromises in order to reach a final settlement.

“Halterm has shown its commitment to a brighter future for the Port with its recent investment in post-Panamax cranes,” Bellfontaine said. “We look forward to working together with Halterm to continue to improve the fortunes of the Port and provide a stable environment for our customers.”

The Halifax Port Authority is responsible for developing, marketing and managing its assets in the Port of Halifax. The economic impact generated by the terminal operator handling 165,000 containers in 1999 and employing over 250 workers. A Canadian owned and operated company, Halterm’s business interests are focused exclusively on its operations in the Port of Halifax. Halterm recently invested $23.5 million in two new cranes designed to service large post-Panamax ships.

Vancouver makes mid-ocean deballasting mandatory

VANCOUVER: Although ballast water discharges from ocean-going ships remain a problem in some ports around the world, Port Vancouver’s preventative Ballast Water Exchange Program continues to function effectively in Vancouver.

As of January 1, 1998, vessels destined to arrive at Port Vancouver in ballast condition have been required to carry out mid-ocean ballast water exchange prior to entering Canadian waters. Vancouver was the first Canadian port to make such mid-ocean deballasting mandatory.

We have been very pleased with industry’s cooperation to meet our requirement which is essentially preventative in nature to minimize the potential of introducing non-indigenous species into Canadian waters, said Norman Stark, Vancouver Port Authority President and CEO.

All ships arriving at Port Vancouver from overseas are covered by the policy, including bulk carriers arriving to load coal, grain, sulphur, and other commodities.

As Canada’s largest port handling over 72 million tonnes of cargo yearly, this policy reconfirms our commitment to protecting our natural environment, said Stark.

In other ports, non-indigenous aquatic species discharged from shipboard ballast water have posed environmental problems. A recent study on the United States-East Coast has shown bacteria and viruses able to survive in ballast water, although no outbreak of disease or illness has ever been traced to ballast.
to improve our performance. We have also made changes to comply with the new organic law that governs the operation of the Canal. The new law requires that the Canal be profitable and generate a benefit to the country. Additionally, we established an Advisory Board comprised of prestigious international industry leaders to provide advice to our Board of Directors.

To ensure that the Canal would be prepared to meet the demands for the new millennium I ordered a thorough review of all projects designed to modernize and increase Canal capacity. The most important project was the widening of Gaillard Cut, initiated in 1992 with a scheduled completion date of 20 years. Shortly after my appointment as Canal Administrator in 1996, we compressed the completion date to ten years. We are now expecting to complete that project a year earlier than our revised projection. The widening of Gaillard Cut will allow virtually unrestricted two-way transit of Panamax vessels, the largest vessels, the Canal can presently handle, and increase Canal capacity by about 20 percent. Other achievements include purchase of new electric towing locomotives, replacement of locomotive tow track, upgraded equipment and machinery at the locks, new floating equipment such as tugs and launches, and the installation of a new state-of-art vessel traffic management system. Our well planned maintenance programs ensure the continuous operation of the Canal 24 hours per day, every day of the year.

Operationally, since the transfer of the Canal to Panama, 9,307 vessels have transited the waterway, generating tolls revenues of slightly more than $428 million. Panamax vessels represented 35 percent of all oceangoing transits. Grains remain as the leading commodity passing through the Canal, followed by the growing container trade. Water is the key natural ingredient that keeps the Canal functioning. Current and future Canal capacity enhancements will place greater demands on existing reservoirs. To address this concern Panama's legislature passed a law giving the Canal the authority to expand and manage its watershed. The new boundaries for the watershed will allow the Canal to develop water resources capable of supplying ten times the amount of usable fresh water that we have today.

The future presents many challenges for the Canal and the global transportation system. The expanding use of the Internet and e-commerce are reshaping the business landscape. Goods must be delivered sooner and at the lowest cost.

Globalization and changes in trade relationships are shifting trade sources and destinations. Key ports around the world are being privatized and improved to handle mega vessels and move more cargo in less time. The demand for Post-panamax new buildings is greater than originally anticipated. These factors are placing increasing pressure on every element in the transportation network. To respond, the Canal basically has two choices. We can squeeze the last ounce of efficiency out of the existing Canal, or we can move to a new level with an expanded waterway capable of handling greater trade volumes. The Canal has chosen to prepare a conceptual plan for the expansion of the waterway. After this process has been completed the final decision will rest with the people of Panama.

Every Panamanian has a right to feel extremely proud of the successes enjoyed under Panamanian administration. Although many perceive that the transition was over upon transfer of the Canal, in reality it is just beginning. There is a lot of work that remains to be done, but we are well prepared for the challenge.

Panamax Vessel Transits Continue Growing

Transits by Panamax vessels, the largest vessels that can transit the Panama Canal with beam dimensions of 100 feet and over, rose 3.5 percent to 4,012 transits during the October to August period of fiscal year 2000 compared to the 3,878 transits recorded during the same period in fiscal 1999. Sustained growth of Panamax vessel transits in the Canal started in the early 1970's when they accounted for about 300 transits or 2.0 percent of the total oceangoing transits. Today, Panamax vessels share about 35.0 percent of total oceangoing transits and carry over 62 percent of total cargo transported through the waterway. Dry bulk carriers share almost 34.7 percent of total Panamax transits, followed by containerships that account for 25.1 percent. Transit growth for containerships has been consistently positive, averaging 6.7 percent per year in the last 4 years. On the other hand, transits by Panamax dry-bulk carriers has had ups and downs; transit growth for this category has reported rates between 54.1 percent and 90.7 percent, a reflection of market volatility corresponding to major commodity trades. The increased proportion of transits by large vessels intensifies the usage of Canal resources. Therefore, Canal authorities are undertaking studies to further enhance Canal capacity, given the pattern of increased vessel size.

Traffic forecast for the Canal up to 2050

A meeting was held with Richardson Lawrie & Associates, after they were awarded a contract to develop a forecast of Canal traffic to be used for the Canal expansion studies. This forecast will be independent of those performed in-house and they will also serve to validate those done by the Canal's Marketing Division. The contracted study includes patterns of world trade by market segment analyses and a quantitative and qualitative approach to determining expected Canal traffic under the constrained, unconstrained and expanded scenarios for the Canal capacity. Several years ago, Richardson Lawrie & Associates performed studies and forecasts for the tripartite commitment comprised of representatives from Panama, the United States and Japan that was studying Canal Alternatives.

Ports Handle Lion's Share of Southeast Asian Market

ID you know the ports of Los Angeles and Long Beach account for 53.6% of the entire U.S. trade with Southeast Asia? According to the Port's Planning and Research Division, information from the Port Import Export Reporting Service shows that the San Pedro Bay's market share of trade with Indonesia, Malaysia, the Philippines, Singapore and Thailand increased from 50.9% in
First-of-its Kind Propane Equipment Introduced At Port

MOVING cargo around the Port of Los Angeles recently got greener and cleaner as five new liquid petroleum gas (LPG, also known as propane) yard hustlers were officially launched into service at the Evergreen America Corp. container terminal operated by Marine Terminals Corp. (MTC).

The low-emission yard hustlers, capable of moving 55,000 pounds of cargo around the terminal and to or from nearby railyards, are an unusual application of off-road, alternative fuel technology. They are the first of its kind for any port in the nation, setting an excellent example for the rest of the industry as it is faced with increasingly stringent air quality regulations.

MTC is the first company in California to purchase the clean fuel technology through the State’s Carl Moyer Memorial Air Quality Standards Attainment Program. Administered by the South Coast Air Quality Management District, this program provides financial incentives for owners and operators of heavy-duty diesel equipment to reduce emissions. The fund pays for the additional cost of an alternative fuel engine compared to a traditional diesel engine, which in the case of MTC was an additional $11,000 for each yard hustler. In total, each yard hustler costs $70,000, including assistance from the Moyer fund.

With 1500 to 2400 container moves made per day on the terminal, the benefits of using propane are considered a giant step for the industry in helping to move cargo in an environmentally friendly way.

“Marine Terminals Corp. is committed to being at the forefront in the use of technology on the waterfront,” said Capt. John McNeill, MTC vice president-operations. “We are committed to investigating and trying new methods of creating a better environment while increasing productivity. This is especially true when it comes to the health of our employees and the community. We are excited about these new machines, our partnership with the Port and all the fine companies involved in this clean air venture.”

Port of Los Angeles Executive Director Larry Keller said, “In today’s world, we must balance the needs of business development with environmental responsibility. We are extremely pleased that MTC is helping us to maintain that critical balance. What they are doing today will definitely make a difference tomorrow.”

Michael Kenny, California Air Resources Board executive officer, said, “The air Resources Board applauds Marine Terminals Corp. for its decision to use clean-running LPG to power its yard hustlers. The State of California’s Carl Moyer Program was designed specifically to help businesses convert to cleaner-operating equipment and away from vehicles that burn high-polluting, toxic diesel fuel.”

Partners in this clean air venture include White Oak, Texas-based Magnum Terminal Tractors, chassis manufacturer; Houston-based Cummins Southern Plains, Inc., responsible for modifying the engine; Gardena, Calif.-based Mutual Propane, instrumental in assisting MTC with its application for the Carl Moyer Program funding; and London-based BP Amoco, propane supplier.

Container Cargo Volume Up 6 Percent For Fiscal Year

ACED by equally strong export and import gains, shipping terminals at the Port of Long Beach handled a record 4,564,429 20-foot-long container units in the fiscal year from October 1999 through September 2000, an increase of 6.1 percent over the 1998-99 fiscal year's record-setting total.

With Asian economies on the mend, exports climbed 7.4 percent—the biggest gain in five years. Exports increased with nearly all countries of the Far East, led by Japan, South Korea, China, and Taiwan. Imports increased 7.5 percent, reflecting the continued strength in the U.S. economy. The number of empty containers, nearly all headed back to be refilled with cargo in Asia, increased 2.1 percent.

From month to month, however, cargo volumes varied greatly during the last 12 months. After record-breaking month in August, the container cargo total fell in September to 387,593 20-foot equivalent units (TEUs). The September total is among the 10 best monthly totals ever for the port. But this September’s total was a 3.8 percent decline from the September 1999 total, the top month for all of last year.

“It’s not unusual for our numbers to fluctuate,” said Don Wylie, the port’s director of maritime services. “We’re still having a very strong year, and the cargo continues to move smoothly.”

In September, the number of import

<table>
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<tr>
<th>Month</th>
<th>Loaded</th>
<th>Outbound</th>
<th>Total Loaded</th>
<th>Total Empties</th>
<th>Total Containers</th>
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<tr>
<td>Sep-00</td>
<td>206,890</td>
<td>80,875</td>
<td>289,755</td>
<td>97,838</td>
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<tr>
<td>Sep-99</td>
<td>219,080</td>
<td>82,308</td>
<td>291,588</td>
<td>97,814</td>
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<tr>
<td>Oct-99</td>
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<td>84,349</td>
<td>284,591</td>
<td>101,321</td>
<td>385,912</td>
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<tr>
<td>Nov-99</td>
<td>209,444</td>
<td>91,201</td>
<td>292,245</td>
<td>97,814</td>
<td>387,059</td>
</tr>
</tbody>
</table>

*TEUs*20-foot equivalent units or 20-foot-long cargo container
Hanjin Agrees To $1 Billion Lease For Long Beach’s Largest Container Terminal

Hanjin Shipping Co. of South Korea, one of the world’s leading shipping lines, has agreed to a long-term lease for the use of the Port of Long Beach’s largest container terminal, a 375-acre project under construction at the site of the former Long Beach Naval Station and Naval Shipyard.

The massive scale of the project mirrors skyrocketing growth in Pacific Rim trade. The new cargo terminal will be the size of 280 football fields, or more than twice as big as Hanjin’s existing, 170-acre facility in Long Beach-which is already the port’s largest and only three years old.

The project is a major investment for Hanjin and Long Beach. Hanjin will pay the port a minimum of $42 million a year for the Terminal Island facility, or more than $1 billion during the 25 years of lease. The port is spending $500 million than $1 billion during the 25 years of lease. For all of last year, only five months topped the 200,000-TEU level. Exports declined 1.7 percent to 80,875 TEUs.

Port Authority to Provide Real-Time Shipping Information to Port Customers Via the Web

REAL-TIME information of ship arrivals, the status of arriving cargo, and highway traffic in the vicinity of the New York/New Jersey ports will soon be available on a new Port Authority Web site—www.firstsynj.com—that’s the first of its kind in the country.

The Port Authority has awarded a $1.9-million contract to Americas Systems Inc. (ASI) of Murray Hill, N.J., to develop and implement the new systems, to be called Freight Information Real-time System for Transport, or FIRST. ASI has a 12-year record of success in providing business solutions to the transportation and logistics industry.

Information available on the Web site will be integrated from numerous sources to provide ocean carriers, exporters, importers, foreign freight forwarders, customs brokers, terminal operators and rail and truck providers with "one-stop shopping" for data required to make decisions about cargo pickup and delivery.

For example, a trucking company can use the system to find out the status of a cargo container waiting to be picked up at the port. By verifying first that the container is in and has been released for pick up, the trucker can avoid an unnecessary trip to the port. Additionally, truckers can notify terminals of their impending arrival, which can expedite processing time at the port.

The system is being developed with input from all sectors of the port community, and it has received funding and support for the project as an Intelligent Transportation System initiative from the I-95 Corridor Coalition, a regional partnership of transportation agencies along the I-95 Corridor from Maine to Virginia.

"This new system will provide the optimum customer service to our port tenants, the port community, and to the thousands of truckers who use this port each day," said Richard M. Larrabee, the Port Authority’s Director of Port Commerce. "For the first time, our port tenants and the truckers who serve them will be able to obtain real-time information on the status of cargo shipments, individual containers, ship schedules, and highway traffic conditions.

"Truckers also will have access to live camera views of port traffic condi-
Cargo Continues Strong Gains in Port of NY/NJ

The Port of New York and New Jersey continues to capture market share and to set new records for cargo handled—as lower costs, improved productivity and a strong economy are yielding a fourth consecutive year of gains for the bistate port.

“By every indicator, the gains are impressive,” Port Authority Chairman Lewis M. Eisenberg said, following the agency's release of cargo statistics for the first half of 2000. “They demonstrate that our forecasts for the port are, if anything, conservative, and underscore the importance of moving ahead aggressively with a regional port modernization and capacity expansion program.”

Port Authority Executive Director Robert E. Boyle said, “Ocean cargo traffic in the Port of New York and New Jersey continued to surge in the first half of 2000, with gains in both absolute numbers and market share. These numbers show that the Port of New York and New Jersey is continuing to increase its dominance among East Coast ports.”

In releasing the report, Port Authority Director of Port Commerce Richard M. Larrabee cited the following results: the port handled more than 1 million containers in the first six months, an increase of 7 percent over the same period in 1999; New York/New Jersey’s share of the North Atlantic market continued its rise, growing a full point from 57 percent in the first half of 1999, to 58 percent this year; general cargo tonnage also rose sharply in the first half—about 8.9 million metric tons up 10 percent over the first half of 1999; and the port’s largest volume trading partners—Europe, Latin America, the Far East and the Mediterranean—displayed strong volume and market share growth during the first half of 2000.

Mr. Larrabee said, “This impressive growth shows that the maritime industry worldwide has recognized the advantages of shipping through this port—lower costs, a skilled, highly productive labor force, cutting-edge marine terminals, and immediate access to the largest consumer market in North America—some 80 million people.

“The impacts of these statistics go beyond the actual numbers,” Mr. Larrabee said. “The Port contributes $20 billion annually to the regional economy, and this type of growth means more jobs and more economic activity in the region. In fact, because of the level of activity we’re seeing in the port, nearly 500 new International Longshoremen were hired this year—the first new hires in decades—to accommodate the demand we are seeing.”

General cargo imports increased by 12 percent to 6.5 million metric tons, while exports rose by 4.5 percent to 2.3 million metric tons. Containerized cargo imports rose by 12.9 percent to 722,000 containers (as measured in TEU’s or 20-foot-equivalent units), while containerized exports fell by 4.5 percent to about 320,000 containers. Total bulk cargo volume increased by 4.6 percent compared to the first half of 1999. Bulk import volume increased 5.4 percent to 21.6 million tons. Bulk export volume declined by 17 percent to 634,000 tons.

The port continued to be the nation’s leading automobile port in the first half of 2000, handling nearly 277,000 units—an increase of 21.8 percent over the same period last year. U.S. market share grew to 15.4 percent.

The top five countries for general cargo imports were Italy, China, Germany, Japan and France. The top import commodities were beverages, vehicles, machinery, plastics and preserved food.

The top five countries for general cargo exports from New York/New Jersey were China, South Korea, the United Kingdom, Thailand and Germany. Top export commodities were woodpulp, plastics, wood, machinery and paper/paperboard.

Port of Seattle Launches eBusiness Strategy

The Port of Seattle is launching a five-year, $20 million eBusiness strategy that, when fully implemented, will position Seattle as the world’s foremost Port in providing eBusiness solutions to the diverse global businesses involved in international trade.

The Port Commission on Tuesday committed an initial investment of $710,000 to perform a thorough assessment of its current technology infrastructure. Completing this first phase will be purchasing and implementing the software and hardware needed for increased transactions under the new eBusiness strategy.

“This investment in eBusiness means we will continue to give our customers the value-added service that they have come to expect from the Port of Seattle,” said Port of Seattle Commission President Jack Block.

Phase Two of this strategy consists of implementing eBusiness applications built upon the infrastructure developed through Phase One. These initial projects will equip Port staff to better serve customers and the community, and will include such examples as:

• An on-line registration and credit card payment system for boat moorage at Port marinas;
• Internal forms processing, such as payroll and expense reports;
• A web-based enhancement to the Port’s property lease management system that provides closer links to the financial systems; and
• An on-line project management system to make large project tracking easier.

“The Port will use this new technology to streamline our business practices and provide for a more user-friendly Port, which will place us in a worldwide leadership role,” Block said.

Phase Three is a three-year implementation and funding plan for eBusiness projects and applications. The scope of these projects will be developed during the first two phases, and they will continue to build upon the software/hardware platform developed earlier.

“At the end of this process, we hope that all internal and external processes involving the Port will be fully implemented and Web-based,” said Port Executive Director Mic Dinsmore. “Virtually everything we do will be sub-
Larnaca port were initiated. In December 1999 the terms of reference were published for the expression of interest for submission of tenders for the operation of Larnaca port as a passenger port within the framework of the study prepared by the Cyprus Development Bank.

In 1999, the Authority achieved an operating surplus of £4.6 million which is by 17.9% higher than that of 1998 (£3.9 million) and a net deficit of £4.9 million. The deficit is due to interest and expenses for long-term loans and losses in exchange rate differences for loans in foreign currency.

The fact that CPA always had an operating surplus despite high competition from neighbouring ports and the various problems it faces, confirms that the Authority is a healthy organization and can positively look forward to the future and that its financial problems relate only to liquidity due to the huge development programme recently completed at Limassol port, the cost of which has been totally undertaken by the Authority.

Costas Erotocritou
Chairman, Cyprus Ports Authority

CARGO TRAFFIC

In 1999 cargo traffic in our ports increased by 9% reaching 7.6 million metric tones as compared to 7 million metric tones in 1998. The two multipurpose ports of Limassol and Larnaca handled in total 4 million metric tones as against 3.6 million the year before thus representing an increase of 11%.

The increase is mainly due to the enhanced number of containers with Cyprus export and transit cargo. Container traffic through Limassol and Larnaca ports reached 239,000 TEU’s in 1998, representing an increase of 12%.
dropped by 4% to 629,000 metric tones as against 656,000 in 1998. The use of containers for the handling of Cyprus cargo and cargo in transit increased to 71% and 97% respectively as against 67% and 94% in 1998.

During the year under review, the two ports handled 696,448 metric tones of dry bulk cargo of agricultural origin (grain and soya). Other dry bulk cargo (minerals, earth and scrap iron) totaled 212,949 metric tones.

Cargo traffic through the oil terminals of the island recorded an increase of about 5% totaling 2,899,000 metric tones as against 2,659,000 in 1998. Oil imports through Limassol Oil Terminal rose by 9% and coastal deliveries and direct imports at Moni and Dhekelia Oil Terminals which cater for the island’s power stations, increased by 9.5% reaching 866,000 metric tones.

Cargo traffic at Vassiliko port rose by 5% reaching 796,000 metric tones, as compared to 759,000 metric tones in 1998. This traffic mainly consists of exports of cement/clinker as well as imports of coal, oil and raw materials.

**SHIPPING TRAFFIC**

Shipping traffic in 1999 recorded a slight increase as compared to 1998. During the year under review 4,860 ships with a combined net registered tonnage of 18 million called at Cyprus ports, as against 4,475 ships with a combined net registered tonnage of 15.9 million in 1998, representing an increase of 8.5% and 12.6% respectively.

Compared with 1998 the transportation capacity of ships increased by 4%. The trend recorded during the past years for arrival of bigger container and passenger ships continued during the year under review. These two categories of ships account for 45% of shipping traffic during 1999 as compared to 47% during 1998.

**PASSENGER TRAFFIC**

The upward trend of passenger traffic recorded during the past years continued in 1999, despite a decrease in the number of international cruise liners which called at Cyprus ports as well as in the number of short-term visitors on board these liners.

During the year under review the international cruise liners berthed in our ports dropped to 34 from 50 in 1998 and carried 147,000 visitors as against 199,000 in 1998.

However, the overall passenger traffic in 1999 rose by 13% as compared to 1998, totaling 825,000 passengers as against 731,000 of the previous year. The rise was due to the increasing preference of Cypriots and foreign excursionists for cruises to Israel, Egypt and the Greek Islands, which are operating from our ports regularly throughout the year.

During 1999, 13 cruise ships conducted 838 mini cruises to Israel, Egypt and the Greek Islands, carrying 678,500 passengers as compared to 509,000 in 1998 (33.3% increase).

In 1999 some 99% of the total passenger traffic (820,100 passengers) was handled by Limassol port, while the remaining 1% (5,800 passengers) was handled by Larnaca port.

The Port of Helsinki’s traffic hits a record high

The volume of traffic passing through the Port of Helsinki has grown by leaps and bounds in 2000. The volume of unitized cargo traffic has grown by 15 per cent compared with the first eight months of the previous year. In the January-August period the volume amounted to 5.7 million tonnes. Imports have grown by 10 per cent and exports by 20 per cent. During the last twelve months, unitized cargo traffic hit a record figure of 8.5 million tonnes. The surge in transit has increased imports of unitized cargo. The transit volume has more than doubled compared with the previous year, while Finland’s imports of unitized cargo have increased by four per cent.

At the same time exports have increased manifold in relation to the growth of other Finnish ports. In particular, the volume of goods transported in containers has increased strongly. In the case of unitized cargo traffic, the Port of Helsinki’s market share of imports in the January-August period was 40 per cent and its share of exports was 17 per cent.

The number of passengers has also grown. This year, as many as 6.5 million passengers have passed through Helsinki, which is about three per cent more than last year. Traffic to both Tallinn and Stockholm has increased.

First straddle carriers for Ceres Paragon terminal arrive in Amsterdam

The six first of a total of 39 straddle carriers ordered for the new Ceres Paragon container terminal have arrived in Amsterdam.

The 13 meter high machines will perform the transport of containers between the vessel and the storage area, where the straddle carriers can stack the containers 3 high. The straddle carriers will also be used for the loading and discharge of trucks. Supplier of the machines is the Rotterdam based company Nelson.

The Ceres Paragon terminal will be operational by mid-2001. This will be the first container terminal in the world where the latest generation of container vessels can be worked simultaneously from both sides by up to nine cranes. The construction works for the terminal, with an annual capacity of 950,000 TEU, are progressing rapidly and are on schedule.

The first six straddle carriers were delivered early because they will be used for the training of personnel of the new Amsterdam container terminal.

Dr. van den Heuvel, IAPH Exco, Honoured

R. Godfried C.G. van den Heuvel (62), Executive Director of Amsterdam Port Authority, was made a Knight of the Order of Oranje-Nassau. He received his insignia from Minister T. Netelenbos of Transport, Public Works and Water Management during the Amsterdam port congress on Friday, 25 August 2000. Mr. Van den Heuvel’s honour rewards his major contribution to the growth of Amsterdam Port and his social commitment as mayor of Lith and
Borsele. Van den Heuvel bids farewell as Executive Director of Amsterdam Port Authority on 1 September. He remains as a consultant.

Van den Heuvel’s enthusiastic and expert contribution during the past ten years was a vital factor in the development of the port, which certainly added to its strong position on today’s market.

From its origin as a shipping port, Amsterdam has matured into a port of industry, offering both goods transhipment and processing. The Amsterdam port region is essential to the economy and employment. Employing a workforce of 37,000 in direct maritime employment, its added value totals NLG 8.4 billion. The past few years saw vigorous growth in goods transshipment and company relocations in the port region, while many infrastructure-related works were recently started or completed-including the new state-of-the-art container terminal, a new cruise terminal and Afrikahaven-further strengthening the competitiveness of the port.

Van den Heuvel was a key broker in partnerships in the Amsterdam port region. His initiative fuelled the Central Maritime Management collaboration, realizing one-stop shopping for shipping. Van den Heuvel also invested best efforts in formulating a vision on the port region’s future development, resulting in the North Sea Canal Area Master Plan, the foundation for administrative developments within the region.

As the mayor of Lith in 1970-1978, Van den Heuvel was instrumental in setting up surrogate family homes for the mentally handicapped. He also initiated the creation of one of Braban’s largest nature parks de Maashorst.

This concern for the environment was continued in the province of Zeeland. As mayor of Borsele in 1978-1989 he ensured that the flocks of sheep returned to dike land areas. He was also confront-ed with the concerns of the community about nuclear power stations.

In Zeeland he took on the role of provincial initiator, as co-founder and chairman of the province’s broadcasting company Omroep Zeeland, vice-chairman of Vlissingen’s port authority, chairman of the Zeeland development company and vice-chairman of Zeeland’s institute for foreign investment.

Van den Heuvel was instrumental in setting the foundation for administrative developments within the region.

The Port of Göteborg is not just a bunkering center for vessels using the port itself. More than 50 per cent of the over one million tones of bunkers involved are lightered to vessels off Göteborg, many of them coming from or heading for the Baltic.

Vapour Recovery Units installed in Göteborg’s oil port

Three Vapour Recovery Units are now being installed at Göteborg’s Skarvik oil harbour, following the delivery of the units earlier this week. When operational later this year, the VRU will improve local air environment conditions considerably.

The Vapour Recovery Units are being installed to recycle petrol fumes into liq-uid petrol. When loading petrol onto tanker vessels, fumes develop in the tanks of the ships, fumes that until now have been emitted into the air.

Returned to liquid form

With the three VRUs, the fumes will be taken ashore and treated through activated carbon, transforming it into liq-uid form. It can then be entered into the system as petrol again.

The result will be cleaner air and better working conditions aboard the tanker vessels and in the oil port. It is being estimated that 400 tons of petrol will be recycled each year using this method.

Investment shared

The VRUs were built in Denmark by Cool Sorption A/S and delivered to Skarvik oil harbour by barge and floating crane. The investment of US$6 million is shared by Port of Göteborg and the Shell and Preem refineries at Göteborg. There is a 25-per-cent government environmental subsidy included.

Emissions halved

The 1,400 tons of hydrocarbon emitted by the activities at Göteborg’s oil ports...
in a year (according to the most recent investigation) will be reduced by nearly one-third when the VRU become operational later this year. Together with a sealing and tightening program for piping and tanks in the oil port recently completed, the VRU reduces the hydrocarbon emissions at the oil port by 50 per cent.

HRH the Princess Royal Inaugurates Humber International Terminal

On Wednesday, October 4, Humber International Terminal (HIT) at Associated British Ports’ (ABP) Port of Immingham was inaugurated by Her Royal Highness The Princess Royal.

Some 300 guests from around the world attended the ceremony, representing international shipping and trade, local and regional businesses and business organizations, the Immingham port community and the organizations involved in making this project a reality.

Sir Keith Stuart, Chairman of Associated British Ports Holdings PLC, welcomed Her Royal Highness The Princess Royal and commented:

“Towards the end of the 1990s, ABP decided that, to maintain and enhance Immingham’s role in the future, a major investment was needed to enable the port to tap into the deep water of the Humber estuary. As a result, the first phase of Humber International Terminal is now operational, and can handle ships carrying cargoes of up to three times the capacity of those that can use the enclosed docks. Further extensions to this project in future years will, in due course, more than double the total capacity of the original enclosed port system.

“We are most honoured that Her Royal Highness agreed to inaugurate the new terminal. It is particularly pleasing that The Princess Royal, the great-granddaughter of King George V and Queen Mary, who opened Immingham Dock in 1912, should be present to mark the opening of this new development, which represents such a significant move forward for the Port of Immingham, and creates a springboard for this great port to face the challenges of the 21st Century.”

Located on the UK’s principal trading estuary - the Humber - HIT is one of the most important port facilities on the east coast, offering the only deep-water multi-purpose terminal between the Thames and The Tees. The first phase, which was inaugurated by The Princess Royal, offers a 300 m long berth with water alongside dredged to 14.7 m. This enables HIT to accommodate vessels carrying up to 100,000 tonnes of cargo-the largest that can be handled on the Humber estuary. The berth is served by three mobile harbour cranes, extensive open storge and, initially, 10,000 sq m of general-purpose warehousing. Scope exits for additional storge and processing facilities on the first phase. Future phases of HIT will see the berth extended to a total of 520 m, the development of more than 50 ha with extensive covered storage, and deep-water roll-on/roll-off berths within a new outer harbour.

Bo Lerenius, Group Chief Executive, Associated British Ports Holdings PLC, said:

“Humber International Terminal enables customers not only to benefit from the economies of scale offered by using larger vessels, but also to capitalize on potential cost savings created by Immingham’s unrivalled transport connections. The high level of interest shown by the international trade community in this project prior to its completion has been realized since HIT became operational in June 2000, with a number of customers already using the facility. We are proud of the new Humber International Terminal, and express our every confidence in its success, and its future.”

Humber International Terminal (HIT) welcomed its first vessel on 10 June 2000. Some 84,000 tonnes of coal were imported on board M.V. Lemnos for use in power-generating stations located in the Aire and Trent Valley. A five-year agreement has been signed with Enron Coal Services Limited to import coal through the terminal.

Work to develop HIT began on site on 1 March 1999. The contract for construction of the jetty and embankment was handled by a joint venture of Edmund Nuttall Limited and HAM Dredging Limited, with a large proportion of the dredging activities subcontracted to ABP’s own dredging division, UK Dredging. The contract for construction of a 10,000 sq m storage facility was awarded to Mowlems. A number of small works contracts was also awarded to render HIT fully operational, including agreements for area lighting, paving, a weighbridge and wheel-washing facilities. The entire project was completed six weeks ahead of schedule.

Dennis Dunn, ABP Port Director, Grimsby & Immingham, said:

“That the project was completed six weeks early is a testament to the considerable efforts of the ABP team, Edmund Nuttall and all the other contractors. We congratulate and thank them all for their dedication and professionalism, which have made HIT a reality.”

The three mobile harbour cranes that serve the terminal were built by Mannesmann Demag Limited and were delivered in May 2000 in sections which were then erected on site. Each of the three HMK 280 multi-purpose cranes has a maximum lift capacity of 100 tonnes and a maximum operating radius of 50 m. They weigh 360 tonnes each and are ideal for handling the full range of cargoes including dry bulks, unitized forest products through to heavy project cargoes.

Associated British Ports is the UK’s leading ports group, owning and operating 23 ports which handle a quarter of the country’s seaborne trade.
could introduce productivity gains to ensure appropriate performance standards. We have introduced various improvements, and the terminal is now operating at extremely competitive levels."

In further efforts to introduce productivity gains, the Corporation has developed a database of Key Performance Indicators (KPIs) to measure the efficiency of the port’s service delivery. These KPIs were developed with the full cooperation of the port community who provide the Corporation with monthly information on their performance. Consequently, train and shipping delays have reduced, and crane rates and truck turn times have improved.

Reaching world’s best practice

At the same time the Corporation has introduced world-class quality systems to ensure that it is positioned as Australia’s preferred port. “Where our customers have a choice, we want them to choose us not just because we make the best commercial sense, but because they prefer to deal with us because of the way we do business,” Mr Mulligan said.

“We have been progressively implementing an Environmental Management System developed to internationally recognised standards, and, in May we became the first port in Australasia to receive ISO 14001 accreditation, setting a new benchmark for the industry.”

The Corporation is also leading the field in health and safety management. In February it was audited under the Det Norske Veritas (DNV) International Safety Rating System, and awarded a rating of Level 8 (out of 10); the highest rating ever achieved by a port in Australasia.

Thinking global

The Corporation has also broken new ground by establishing an International Port Services Division. “In July, two of our environmental scientists went to Vietnam to assist the Port of Cai Lan in its proposed development adjacent to the World Heritage Listed area of Halong Bay. They assisted port staff to survey the environment, collect samples, and apply management techniques to ensure that their port may be developed and operated in a manner which is fully sensitive to the environment.

“This opportunity was on the back of several overseas consultancies for which we provided geotechnical and revegetation services. We are currently investigating various possibilities which will enable us to maximise the potential of our very marketable expertise and experience, especially in the field of environmentally sustainable port development.”

Record trade

The Corporation’s continuously improving performance as a world-class commercial entity has been mirrored by an excellent trade performance for the past financial year, despite fluctuating exchange rates, increasing oil prices and rising interest rates. Container trade increased by a record 21% to 432,616 teus, and total trade increased 11% to 23,048,798 tonnes, with imports rising by 12% to 12,454,282 tonnes and exports up almost 10% to 10,594,516 tonnes.

Mr Mulligan said, “The increase in our container trade has by far exceeded our forecasts. For the 1999/2000 year we had forecast 373,328, but we ended..."
A record 190,000 TEU was moved by rail through Port Botany in the year to June. This represents a 35% increase in volume over the previous year and nearly 22% of all traffic moving to/from Botany. In 1995 only 79,000 TEU, 13% of total volume, moved by rail.

Part of the growth can be attributed to general volume growth through Sydney which has been 50% over five years but the modal shift is the result of an increasing awareness of the benefits that rail can offer both rural and metropolitan customers of the port.

Stevedores, rail operators, Rail Access Corporation, Sydney Ports Corporation and the Department of Transport have worked hard together over the past 12 months to coordinate rail activities, push for infrastructure investment and improve daily operations.

The Botany Rail Steering Group is a loose association of the above organizations chaired by Sydney Ports’ Senior Manager Logistics Simon Barney.

Twelve months ago many people were questioning rail’s ability to deliver a reliable service for shipping customers. The cooperation demonstrated between all parties in the transport chain shows what can be achieved when people put their mind to it,” said Mr. Barney.

Evergreen Opens Three New Berths in Kaohsiung

Annual handling capacity expected to exceed 2 million 20-foot boxes

EVERGREEN Marine Corporation (EMC) opened three new berths at Container Terminal No. 5 in Kaohsiung Port to operation Friday, September 1, 2000, greatly boosting the carrier’s cargo handling capacity in its homeport.

Among the dignitaries invited to the inauguration ceremonies were Kaohsiung Mayor Frank Hsieh; Dr. Younger Wu, director-general of the
Management operation.
authorized for customs clearance self-
cargo handling operations but are also
computerized for maximum efficiency in
berths in the port. They are not only fully
most advanced privately-run public
Terminal No.5 are the best-equipped and
more than 10,000 cubic meters.
Warehousing facilities cover 9,000
square meters with a storage capacity of
20,000TEU loaded containers and
ships can be berthed simultaneously.
Three large container-
length of 815 meters and cover 401,866

August this year and is now open to
Berths 80 and 81, was completed in late
schedule. The second stage construc-
tion work, S S Lin, chairman of
Evergreen Marine Corporation who offi-
ciated at the inauguration ceremony,
presented a plaque to the Kaohsiung
Harbor Bureau during the event.
On May 12, 1997 EMC won a BOT
(build-operate-transfer) bid to lease
Berths 79, 80 and 81 at Container
Terminal No.5.
First stage construction work was
completed in May last year and Berth 79
was opened to shipping traffic ahead of
schedule. The second stage construc-
tion, which covered the building of
Berths 80 and 81, was completed in late
August this year and is now open to
business.
The three berths provide a total quay
length of 815 meters and cover 401,866
square meters. Three large containing-
ships can be berthed simultaneously.
The container yard can accommodate
20,000TEU loaded containers and
5,500TEU empty containers. Warehousing facilities cover 9,000
square meters with a storage capacity of
more than 10,000 cubic meters.
Evergreen’s berths at Container
Terminal No.5 are the best-equipped and
most advanced privately-run public
berths in the port. They are not only fully
computerized for maximum efficiency in
cargo handling operations but are also
authorized for customs clearance self-
management operation.
The berths are equipped with a total
of eight post-Panamax gantry cranes, 24
rail mounted gantry cranes and three
empty container stackers. Eight towers
provide lighting in the evening hours and there is a 2,000 kilowatt generator
for back-up in case of power failure.
In addition, the Evergreen terminal
also has an administrative building, a
CFS yard, maintenance plant, gas sta-
tion and miscellaneous other facilities to
enable it to offer a comprehensive ser-
tice to its customers.
Presently, Evergreen operates six dedi-
cated berths in Kaohsiung Port includ-
ing Berths 115,116 and 117 at Container
Terminal No. 4 and Berths 79,80 and 81
at Container Terminal No.5.
It has been Evergreen’s operational
strategy and goal to offer one-stop trans-
port service to its clients through invest-
ment in upstream and downstream busi-
nesses to cut operational costs and raise
efficiency.

Kaohsiung’s Container Terminal
No.5 to Be Completed in
December
In order to accommodate more con-
tainers and bigger ships, Kaohsiung
Harbor Bureau has been construct-
ing Terminal No.5 in the Port of
Kaohsiung and expects the construction
to be finished in December this year.
Terminal No.5 will add 3 million TEU to
Kaohsiung’s container handling capaci-
ty.
Terminal No.5 covers 109 hectares of
land and its construction is divided into
two stages. The first stage includes the
construction of Berth 74 to Berth 77
invested and built by KHB. The second
stage covers Berth 78 to Berth 81. The
infrastructure (e.g., quayside) is invest-
ed and built by KHB, while the super-
structure (e.g., container yards and
administrative buildings) is invested by
shipping companies. Shipping lines also
provide their own terminal equipment.
The first stage construction was fin-
ished in March 1999, and the construc-
tion of Berth 78 to Berth 81 was finished
in May 13,1999. The container yard and
the equipment of Berth 78 were com-
pleted in December 1998 and are oper-
ated by Hanjin Shipping Corp. The con-
tainer yards of Berth 79 to Berth 81
operated by Evergreen Marine Corp.
 began construction in January 1998 and
finished in September 2000.
Kaohsiung’s container handling
capacity in 1999 reached 6,985,361 TEU.
Terminal 5 will add another 3 million
TEU to its capacity, which will allow
Kaohsiung to handle 10 million TEU per
year.

Cochin Port poised to be
India’s cruise destination
A
meeting convened in the
Port Trust regarding promotion
of Cochin as a cruise destina-
tion, Dr. Jacob Thomas, IAS, Chairman,
Cochin Port Trust, stated that Cochin
Port is poised to be “the cruise destina-
tion” in the country and all out efforts
are being made to ensure hassle free
experience at Cochin for the passengers
calling through cruise vessels. He fur-
ther stated that Tourism Department,
Government of Kerala, has been sup-
porting Cochin Port Trust to project Port
as a major cruise destination through-
out the entire South East Asia.
Shri. Amitabh Kant, IAS, Secretary
(Tourism), Government of Kerala, has
assured that 50% of the cost of passen-
ger terminal to be constructed in world
class standard will be borne by
Government of Kerala. He also assured
that the Tourism Department will also
be entering all the details of Cochin
Port in their Website www.kerala-
Port Promotion Mission to India and China

In early October this year, the Port of Nagoya, in cooperation with the Nagoya Chamber of Commerce & Industry, sent a port promotion mission to India and China in order to enhance economic exchanges and promote port utilization. The mission comprised about 30 representatives from private and public organizations, each closely related to the activity of the Port of Nagoya.

India and China have recently drawn the world’s attention with their growing economies powered by emerging industries. As part of its itinerary, the mission held 2 receptions for local economic and industrial concerns, one in Bangalore, famous for its successful IT industry and known as the Asian Silicon Valley, and the other in Shanghai, commercial center for the growing Chinese economy.

Following the mission’s visit to these countries, the Port of Nagoya envisions further improvements and mutual economic ties as a result of the valuable input it received at each city visited.

Port Promotion Mission, receives a commemorative gift from Shri A. K. Mago, Chairman of Mumbai Port Trust.

Seminar on the Port of Nagoya in Shanghai

Star Cruises Makes Yokohama its Home Port

The Nagoya Port Terminal Public Corporation decided at its board meeting on August 8 that the Nabeta Container Terminal would be leased to a new company jointly established by 8 stevedoring and warehousing companies in Nagoya. This is the first case in Japan in which firms other than shipping lines have been officially designated as leaseholders of a newly-opened container terminal.

The Nabeta Container Terminal, which is scheduled to be put into operation in 2001, has 2 berths of 350 m each, with an area of 175,000 m² per berth and a water depth of 14 m. One of the 2 berths (T2) has been designed to be earthquake-resistant, with the expectation that it will serve as a distribution depot for emergency supplies in case of natural disaster.

Cruising side by side: Super Star Virgo(front) and Super Star Leo

Operator for the Nabeta Container Terminal Decided
countries such as Hong Kong and Singapore, and four additional 90,000-110,000 ton passenger vessels currently in the planning/ construction phase. It is a pioneer company in developing the demand for cruises among the people of Asia, offering light-hearted and enjoyable cruises targeting young people and families in particular.

Star Cruises currently offers services from the Japanese port of Kobe to Kyushu, Pusan, Chejudo, and Shanghai. Fares for this route are very reasonable in comparison to fares charged by Japanese cruise companies and it is expected that fares from the Port of Yokohama will be relatively reasonable as well.

The establishment of regular service by this innovative leader of the cruise industry is one more reason for passengers from around the world to come and experience the warm hospitality of the Port of Yokohama.

Port Klang shapes up as logistics hub

The Malaysian government is now actively encouraging the setting up of international procurement centers to foster distribution activities especially at ports. This includes the offer of suitable fiscal incentives to investors and the Customs designation of special free zones areas where such activities could be carried out.

The national Economic Recovery Plan (1998) acknowledged the importance of the value-adding activities as part of the efforts to foster greater competitiveness of the Malaysian economy. The plan emphasized the need to promote the usage of the various free commercial zones in the country for value-adding and transshipment activities, especially for industries licensed under manufacturing warehouse and free industrial zones.

The move to encourage the development of international procurement centers and distribution activities forms an integral part of the government’s policy to stem the outflow of foreign exchange payments. It is also seen that the role of the ports in the national economy would be further strengthened through the linkages created by the generation of cargo. The international procurement centers (IPCs) are allowed to be set up at designated free zones only. The free zones offer an environment free from Customs documentation and duties. The designated areas for the development of IPCs to carry out distribution and logistics services in Port Klang are at the free zones in Westport and Northport.

A wide range of value-adding services are provided in addition to consolidation and storage functions by the IPCs in the distriparks at the Westport Distripark and at the Port Klang Distribution Park.

In an attempt to further enhance the role of distribution activities the government has allowed minor manufacturing activities to be carried out at the distriparks in the ports. This is in addition to break-bulking, sorting/grading, packing/repacking, labeling and packing activities in the free zones (This is provided for under the Free Zone Act 1990.) Effective April 1998, all goods under schedules 2 and 3 of the Malaysian Customs Act have been exempted from approved permits when entering the free zones. Examples of goods classified under the two schedules include tobacco and vehicles. An important outcome of this, for instance, was the move by Philip Morris to initiate the rolling of blended tobacco into cigarettes by machines at the Westport Distripark in Port Klang for distribution to its plant in Seremban, about 100 km from Port Klang as well as for re-exports to regional markets.

The Westport Distripark, which has more than two million sq. ft. of space, has also attracted other companies to engage in value-adding activities, including the Swedish furniture-maker-Ikea as well as several Japanese electrical products manufacturers, including Sony and Hitachi. The removal of the requirement for Customs-approved permits for vehicles imported into the free zones has also paved the way for reshipment of motor vehicles via local ports. This has paved the way for the development of the vehicle transit center at Westport facilitating the transshipment of imported vehicles to regional markets.

In addition to the Westport Distripark at Westport, the Port Klang Distribution Park, located in the free zone at Northport, also offers space to companies to carry out value-adding services. The Port Klang Distripark, which is located strategically between two container terminals in Northport at Port Klang, offers leased space to cargo consolidators to carry out a broad range of value adding services. PKDP and Westport Distribution Park are well linked by rail network.

The attraction of Port Klang for companies to set up the IPCs has also been fostered by the recent increase in the mainline shipping services. The three container terminals at Port Klang are visited by about 70 mainline operators which provide direct services to almost all major makers worldwide.

In addition, the pro-active business stance taken by Port Klang Authority by offering the “One-Stop Agency” services has also increased the attraction of Port Klang to companies keen to engage in distribution and logistics services. The trade facilitation provided under the Port Klang Community System (PKCS) with access to Electronic Funds Transfer also offers considerable benefits with prospects for savings in time and costs.

For more information, please contact:
Tel: 03-3168 8211
Strong container growth

PORTS of Auckland has started its new financial year with strong container growth, the Company’s annual meeting was told today.

Chairman, Sir Richard Carter, said that with a 30% increase in after-tax profit, the Company had produced outstanding financial results in 1999-00 and was in a very strong competitive position.

“This has been borne out by the volumes and results for the first quarter of the new financial year. The general economic conditions have been flat, but the Company has seen solid growth in container volumes. As of this month, container volumes are 9% higher than for the same time last year,” he said.

Breakbulk volumes, which were less significant because they represented one third of the Company’s total volumes, had been weaker. This was mainly from an expected slowdown in vehicle imports.

Sir Richard said that P&O Nedlloyd’s decision to retonnage and bring in bigger vessels on the New Zealand trade from 2002 would have a massive impact on the country’s ports.

Chief Executive, Geoff Vazey, said bigger ships would lead to a need for deeper berths, additional container equipment and cargo-handling area. Auckland was on track to meet all those needs.

The Company’s latest initiative to prepare for the arrival of larger vessels was a programme for the purchase of additional cranes. The Board had approved the purchase of two new post-Panamax cranes for Axis Fergusson—an investment of nearly $20 million.

“The new cranes will be delivered in 2002, providing Axis Fergusson with four post-Panamax cranes. Post-Panamax cranes are wider and higher than the earlier generation of container gantry cranes, and are essential for the new generation of bigger vessels.

“Most importantly, the cranes allow for the significantly higher rates of productivity that shipping lines require for bigger vessels.”

Ports of Auckland currently has seven container gantry cranes and a harbour mobile crane at its two container terminals—Axis Fergusson has five container cranes, two with post-Panamax capabilities, while Axis Bledisloe operates with two cranes, including one with post-Panamax capabilities.

Mr. Vazey said the Company’s capital spending programme over the next five years also included the $100 million extension to Axis Fergusson. Some work had already started on the extension, and physical construction would start in earnest in 2002. It would take about four years to complete.

“Now that we have a definite arrival date for the first of the bigger vessels in 2002, we are able to go ahead with dredging work to deepen one of the existing Axis Fergusson berths.”

In August, Sir Richard announced his intention to step down as Chairman of Ports of Auckland at the October annual meeting. He has been Chairman since November 1993.

Sir Richard told the meeting that Ports of Auckland had an impressive record of achievement since it was established in 1988.

“Today the Company handles twice as much cargo, with half the staff and much the same assets it had 10 years ago. The culture is one where people recognise the value of customer service.

“I pay a special tribute to the operational staff who have achieved tremendous improvement in productivity over the years. In 1989, the average turnaround time for a container vessel at our Axis Fergusson facility was 38.4 hours.

“Today it is about 17 hours and the number of containers handled per exchange has increased from about 250 to 500 in the same time.

“It is an impressive record by any international standard, and one that we are proud of.

“That improvement has come from the willingness of all staff to embrace ongoing changes in productivity and operational improvement. Without their commitment and loyalty-plugging away in all weather conditions and at all times of the day and night to keep cargo and ships moving—the Company would not be where it is today.

“I would also like to acknowledge the achievements of management. From its inception, the Company set out to attract a new breed of managers. There was a deliberate attempt to attract people from outside the port and shipping business to bring in a fresh flow of ideas and management practices.

“These people have developed innovations that will be the basis for much of the Company’s growth in the future.”

In a special farewell address, John Maasland said that Sir Richard had won strong personal support and admiration from those who worked closely with him. Mr. Maasland is a Director of Infrastructure Auckland, which holds 80% of shares in Ports of Auckland, and Chairman of Wilson and Horton Holdings.

Much of Sir Richard’s work at Ports of Auckland had inevitably been behind the scenes.

“The corporatisation of harbour boards was a huge step in itself, and we should not underestimate the challenges of bringing a commercial approach into the operation of ports.

“Stock Exchange listing brought a whole new range of requirements for the Company and Ports of Auckland was one of the pioneers in this area.”

Mr Maasland said Sir Richard’s major achievement in his time as Chairman at Ports of Auckland was the value created for shareholders, both large and small.

The new Chairman will be appointed by the Board of Directors at its next meeting, scheduled for 20 November 2000.

PSA Corporation Signs Terminal Management Contract for Muara Container Terminal

PSA Muara Container Terminal Sdn Bhd, a joint-venture company between Negara Brunei Darussalam’s Archipelago Development Corporation Sdn Bhd and Singapore’s PSA Corporation Limited (PSA), has signed a Terminal Management Contract with the Government of His Majesty, the Sultan and Yang Di-Pertuan of Negara Brunei Darussalam to manage, develop and operate Muara Container Terminal (MCT) for a period of 25 years, with an option to extend the contract by another 5 years. The historic contract was endorsed by Jaji Ibrahim bin Haji Ali, Director, Ports Department, Ministry of Communications, Negara Brunei Darussalam, and Haji Razali Bin Haji Johari, Deputy Chairman, PSA Muara Container Terminal Sdn Bhd/Managing Director, Archipelago Development Corporation Sdn Bhd, at a signing ceremony held in Negara Brunei Darussalam on 28 Oct. 2000. The signing was witnessed by YB Pein Orang Kaya Amar Pahlawan Dato Seri Setia A w g Hj Zakaria bin Dato Mahawangs A w g Hj Sulaiman, Minister of Communications, Negara Brunei Darussalam and Mr Khoo Teng Chee, Group President, PSA.

As the operator of the world’s largest container terminal, PSA will share its vast experience and expertise in port
and container terminal operations with the workforce at Muara Container Terminal (MCT) with the aim of raising productivity and service levels at the terminal. PSA will also impact its advanced technologies and port management techniques to ensure that shipping lines calling at MCT enjoy the same level of world-class service that is offered at its container terminals in Singapore and overseas. MCT will enhance Muara’s strategic position in East Asia to facilitate the terminal’s development into a regional transshipment hub to serve the growing BIMP-EAGA (Brunei, Indonesia, Malaysia, the Philippines and the East ASEAN Growth Area region.

Haji Ibrahim bin Haji Ali, Director, Ports Department, Ministry of Communications, Negara Brunei Darussalam said, “Knowing the global achievements and involvement of PSA Corp. Ltd, I feel confident that PSA Muara will also be able to increase container throughput at Muara Container Terminal and eventually to make Muara Container Terminal as the hub-port for the Brunei Darussalam-Indonesia-Malaysia-the Philippines East Asia Growth Area. This will put Muara Port specifically and Brunei Darussalam generally to be part of the global network for the container market.”

“Archipelago Development Corporation is privileged to be given the opportunity to contribute to the development of Muara Port into a maritime hub in this region and a gateway in BIMP-EAGA,” said Haji Razali bin Haji Johari, Deputy Chairman, PSA Muara Container Terminal Sdn Bhd/Managing Director, Archipelago Development Corporation Sdn Bhd.

“PSA is honoured to be given this opportunity by the Government of Brunei Darussalam to manage the Muara Container Terminal with our partner, Archipelago Development Corporation. We will commit our best efforts to realize Brunei’s vision of transforming Muara Container Terminal into a maritime hub for the region,” said Mr. Khoo Teng Chye, Group President, PSA Corporation Limited.

Muara Container Terminal (MCT) is located some 20 kilometres northeast off Bandar Seri Begawan. It has 250 metres of berth. This will be progressively extended to 580 metres. The terminal also has two Panamax quay cranes, two yard cranes and 5,000 square metres of optimal space for a modern container freight sation. MCT currently handles about 60,000 TEUs (twenty-foot equivalent units) a year.

Archipelago Development Corporation (ADC) Sdn Bhd has been established since 1983 in Negara Brunei Darussalam to provide shipping and worldwide freight forwarding services. ADC is the first local company to provide transshipment of containers. ADC’s fleet of ships connects Negara Brunei Darussalam to around 14 major ports in the region.

PSA Muara Container Terminal Sdn Bhd was first presented with the Letter of Award to develop and manage Muara Container Terminal (MCT) from the Government of Negara Brunei Darussalam in March 1999. The MCT project is the first major privatized project to be awarded by the Government of Negara Brunei Darussalam. The PSA Group is currently involved in 10 port projects in 7 countries worldwide. Besides Muara Container Terminal, PSA also has interests in Dalian Container Terminal and Fuzhou Container Terminal in China; Tuticorin Continer Terminal and Pipavav Port in India; Voltri Terminal Europa and Venice Container Terminal in Italy; Aden Container Terminal in Yemen, Sines Container Terminal in Portugal, and Incheon Container Terminal in Korea. In 1999, PSA Group handled 17.6 million TEUs which is about 9% of the world’s throughput and about 30% of the world’s total transshipment throughput.

PSA and APL achieve vessel rate over 200 boxes per hour second time in 2000

PSA Corporation achieved a vessel rate of 209 containers per hour for APL on 9 October 2000, during the call of the “APL Singapore” at Keppel Terminal. 2,219 containers were discharged and loaded from the “APL Singapore” during its port stay of just over 10 hours. This is the second time this year that PSA has scored a vessel rate of more than 200 containers an hour for APL. The first instance was on 23 March 2000, when the “APL Sardonyx” achieved a vessel rate of 210 containers per hour at Brani Terminal.

The “APL Singapore” arrived on 9 October at 3:20pm, several hours behind schedule due to bad weather. Through careful planning and close cooperation with APL officers, PSA was able to turn the “APL Singapore” around in less than half the time that it would have normally taken, thus allowing her to catch-up on her schedule.

PSA has consistently delivered world-class service to shipping lines in Singapore and abroad. In the first 10 months of this year alone, PSA scored vessel rates of above 200 containers per hour on 8 occasions. Besides holding the world record for vessel rate (243 containers per hour), PSA has broken the 200 containers per hour barrier more frequently and for more shipping lines than any other terminal operator in the world.

Mr. Ng Chee Keong, Deputy Group President (Terminals), PSA Corporation Ltd, said, “We are proud to have been able to deliver results for our valued customer APL, and at the same time, achieve this record performance for their vessels. This is an example of the ‘win-win’ partnership that we have developed with our customers.

“When our customers request “catch-up” services, they know they can depend on us to deliver the speed and productivity levels required to get their ships back on schedule. We use our advanced IT to plan and execute the handling of containers to achieve seamless loading and discharging of containers. We are happy that our ability to value-add has made a difference to our customers for them to serve their customers even better.”

Mr. Dave Sanborn, Vice-President (Asia), APL, said, “We would like to thank PSA’s management and staff for their commitment and efforts towards continually improving productivity and reducing vessel turn-around time in Singapore”.

As the world’s largest transshipment hub, PSA provides every shipper with an unrivalled choice of more than 300 shipping lines, with connections to over 700 ports worldwide. Everyday, PSA offers customers a choice of 3 sailings to and from Greater China, and 22 to South and Southeast Asia. PSA will continue to deliver the best results for customers to value-add and enhance their competitiveness, increase their efficiency, and reduce their operational cost.

Note: Vessel Productivity measures the efficiency of a container terminal. It refers to the number of containers which are loaded or discharged from a ship for each hour the ship is alongside the berth.