PAGE-3

PAGE-8 (OPINION)

NATIONAL

State Counsellor meets with Chinese Premier in Singapore

PARLIAMENT

Pyidaungsu Hluttaw discusses setting up newforeign economic relations ministry

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The 13th East Asia Summit is held in Singapore on 15 November, 2018. PHOTO: MNA

State Counsellor attends final day events of 33rd ASEAN Summit, related summits

STATE Counsellor Daw Aung San Suu Kyi, who is attending the 33rd ASEAN Summit in Singapore attended the ASE-AN-India Informal Breakfast Summit, 6th ASEAN-US Summit, 21st ASEAN +3 Summit, East Asia Summit Luncheon, 13th East Asia Summit, closing ceremony of 33rd ASEAN Summit and related summits and a ceremony to hand over 2019 ASEAN alternate chairmanship to Thailand yesterday.

The State Counsellor at-

tended the ASEAN-India Informal Breakfast Summit held at the Suntec Expo Convention Center, Singapore at 8:30 a.m. local standard time.

Next, she attended the 6^{th} ASEAN-US Summit and 21^{st} ASEAN +3 Summit.

In the afternoon State Counsellor Daw Aung San Suu Kyi attended the East Asia Summit Luncheon and 13th East Asia Summit.

In the afternoon the Sate Counsellor attended the closing ceremony of the 33rd ASEAN Summit and related summits and a ceremony to hand over the ASEAN alternating chairmanship and a hammer representing the chairman's job to the Prime Minister of Thailand General (retired) Prayut Chano-cha.

At the event 2018 ASEAN alternating chairman Singapore Prime Minister Mr. Lee Hsien Loong delivered a closing speech and then handed over the ASEAN alternating chairmanship for 2019 and a hammer representing the chairman's job to the Prime Minister of Thailand General (retired) Prayut Chan-o-cha.

The ceremony came to a close after the Thai Prime Minister who is taking up the duty of ASEAN alternating chairmanship delivered a message of greeting.

The summits, closing ceremony and the ceremony to hand over the ASEAN chairmanship was attended by heads of state, heads of government and ministers from ASEAN countries of Brunei, Cambodia, Laos, Malaysia, Myanmar, Indonesia, the Philippines, Singapore, Thailand and Viet Nam, high ranking ASEAN officials, heads of state, heads of government, ministers and high ranking officials from ASEAN dialogue partner countries, ASEAN Secretary-General, ASEAN permanent representatives and officials. — MNA

(Translated by Zaw Min)

INSIDE TODAY

NATIONAL Committees organizing Hluttaw sessions meet

NATIONAL Union Ministers inspect repatriation readiness at Reception Centre PAGE-3



BUSINESS Summit held to boost Myanmar-Singapore business ties PAGE-5

NATIONAL

Union AG holds coordination meeting with advocate generals, law officers PAGE-7

Pyidaungsu Hluttaw

Pyidaungsu Hluttaw discusses setting up new foreign economic relations ministry

THE Second Pyidaungsu Hluttaw's tenth regular session held its second meeting at the Pyidaungsu Hluttaw meeting hall yesterday. At the meeting, Hluttaw representatives discussed the establishment of a new Ministry of Investment and Foreign Economic Relations, proposed by the President recently.

U Sein Win of Maubin constituency, Dr. Khun Win Thaung of Kachin State constituency 11, Daw Cho Cho of Ottwin constituency, U Than Soe @ Than Soe (Economic) of Yangon Region constituency 4, Naw Chris Tun@ Dr. Arr Kar Moe of Kayin State constituency 7, U Khin Cho of Hlaingbwe constituency, U Zaw Hein of Taninthayi Region constituency 7, U Khin Myo Win of Taninthayi Region constituency 12, and U Kyaw Naing of Yangon Region constituency 12 discussed the setting up of a new ministry.

Afterwards, the Pyidaungsu Hluttaw Speaker announced union level organizations will deliberate on the suggestions made by Hluttaw representatives on 19 November, after which the decision of the Hluttaw will be obtained.

Appointment of U Myo Win as Judge of the Supreme Court of the Union

The Speaker next announced the Hluttaw's agreement on the appointment of U Myo Win as the Judge of the Supreme Court of the Union. No objections were raised to his appointment.



Pyidaungsu Hluttaw is convened in Nay Pyi Taw. PHOTO: MNA

Hluttaw agree on signing the ASEAN Agreement on E-Commerce

Afterwards, Daw Shwe Shwe Sein Latt of Bago Region constituency 3 announced her support for the signing of the ASEAN Agreement on E-Commerce.

The Union Minister for Transport and Communications, U Thant Sin Maung, said that the agreement was drawn up after several discussions with organisations and high-ranking officials and all ten countries of ASEAN had agreed on it. After discussions involving ministries and departments such as the Union Attorney General Office, the Central Bank of Myanmar, the Ministry of Commerce, the Ministry of Industry, the Ministry of International Cooperation, and the Ministry of Planning and Finance, the agreement was submitted to the economic committee and approved. It was then sent to the Pyidaungsu Hluttaw for its approval. Pyidaungsu Hluttaw Speaker announced the Hluttaw's approval for the signing of the agreement after obtaining the decision of the Hluttaw.

US\$ 24.3 million loan from NEDA

Following this, Deputy Minister for Planning and Finance U Maung Maung Win led a discussion on the Ministry of Construction and Kayin State Government's obtaining a US\$ 24.3-million loan from the Neighbouring Countries Economic Development Cooperation Agency (NEDA), Thailand, for the Greater Mekong Subregion East-West Economic Corridor Towns Development Project.

The Deputy Minister said Myawady Town is an important town for Myanmar-Thailand border trade, while Myawady-Kawkareik road was constructed to meet ASEAN standards, and Friendship Bridge 2 was opened. In future, trade and commerce is expected to develop more in Myawady, and thus the NEDA loan to develop towns along the Greater Mekong Subregion East-West Economic Corridor must be discussed and approved by the Pyidaungsu Hluttaw, he added.

Deputy Minister for Construction U Han Zaw also explained the loan, after which the Pyidaungsu Hluttaw Speaker said the matter will be discussed and decided in the Pyidaungsu Hluttaw meeting scheduled for the last week of this month. The Speaker then asked Hluttaw representatives who want to discuss the matter to submit their names.

Joint Bill Committee report on Bill amending the Sea Customs Act (2018)

Later, the Joint Bill Committee's report on its findings and comments on a bill to amend the Sea Customs Act (2018) was read by the Committee's Vice Chairman U Khin Maung Win. The Pyidaungsu Hluttaw Speaker asked Hluttaw representatives who want to table and debate the amendment motion to the bill to register their names.

Hluttaw discusses interest-free Yuan 80-million loan from PRC

Hluttaw representatives also discussed the interest-free Yuan 80 million loan to Myanmar from the People's Republic of China for purchase of passenger carriages, which was sent by the President for discussion.

The matter was discussed by Daw Cho Cho of Ottwin constituency, Daw Shwe Shwe Sein Latt of Bago Region constituency 3, Dr. Sai Hla Thein of Chanmyathazi constituency, U Win Maung of Magway Region constituency 6, U Aung Thike of Seikphyu constituency, U Naing Thiha of Mon State constituency 7, U Tin Aung Tun of Magway Region constituency 5, U Mya Sein of Dagon Myothit (Seikkan) constituency, and U Than Soe @ Than Soe (Economic) of Yangon Region constituency 4.

The Speaker said union-level organisations are scheduled to discuss the matter in the Pyidaungsu Hluttaw on 19 November, after which a decision will be reached.—Lin Hmay (MNA) ■ (Translated by Zaw Min)

Committees organizing Hluttaw sessions meet

A COORDINATION meeting (4/2018) of the Speaker of Pyithu Hluttaw and chairpersons and secretaries of committees was held at the Zabuthiri Hall of the Hluttaw building yesterday afternoon.

At the meeting, Pyithu Hluttaw Speaker U T Khun Myat said he would explain procedures that would be carried out in the Hluttaws to the chairmen of the Hluttaw's committees and secretaries

Hluttaw committees are accountable to Hluttaw, and Hluttaw is also accountable to Hluttaw committees, he added.

Preparations were made to amend the rules, regulations, and bylaws of the Hluttaw Law in the meeting, said the Speaker.



Pyithu Hluttaw Speaker U T Khun Myat delivers the speech at the meeting of the central committees for organising Hluttaw's coordination in Nay Pyi Taw yesterday. **PHOTO: MNA**

He also informed the meeting that a calendar for Hluttaw meetings planning has been drawn to be able to carry out the Hluttaw's works in time. The Hluttaw also carried

out to perform the developmental tasks, organizational set-up of Hluttaw and reformation.

"We are making efforts for improving capacity of Hluttaw representatives and Hluttaw committees, to keep them abreast of international Hluttaws," the Speaker said.

"As for the Hluttaw's committees, it is of great importance that they carry out their Parliamentary Oversight Function in line with the laws, regulations, and procedures prescribed by the Hluttaw," he added.

Afterwards, the Pyithu Hluttaw Speaker heard explanations and led discussions on the meeting's agenda.

The meeting was attended by Pyithu Hluttaw Deputy Speaker U Tun Tun Hein, chairmen and secretaries of Hluttaw committees, and staff from the Pyithu Hluttaw's office.—MNA (*Translated by Win Ko Ko Aung*)



The 6th ASEAN-US Summit is held in Singapore yesterday. **PHOTO: MNA (NEWS ON PAGE-1)**

53rd ASEAN-COCI meeting concludes with dinner

A DINNER was held in honorof members attending the 53rd meeting of the ASEAN Committee on Culture and Information (ASEAN-COCI) at the Royal Nay Pyi Taw Hotel at 7 pm yesterday.

The dinner was attended by the Union Minister for Religious Affairs and Culture, Thura U Aung Ko, Union Minister for Information, Dr. Pe Myint, Chairman of Nay Pyi Taw Council, Dr. Myo Aung, deputy ministers, departmental officials, officials of ASEAN-COCI from ASEAN countries, representatives from the ASEAN Secretary-General's Office, and local ASEAN-COCI officials. In his opening remarks, Union Minister Thura U Aung Ko said he strongly believes that the friendship between the member countries of ASEAN has a bright future.

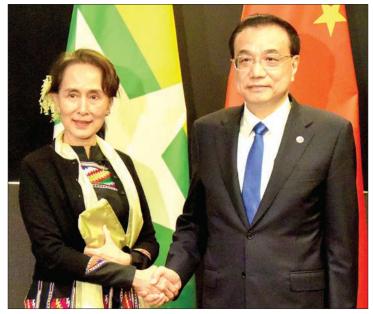
The minister said the meetings of the ASEAN Sub-committee on Culture and the ASEAN Sub-committee on Information, both held on 13 November, and the 53rd meeting of ASEAN-COCI went off successfully. He said the efforts made by ASEAN-COCI leaders and representatives from the ASEAN Secretary-General's Office were evident in yesterday's meeting, and thanked all participants and the meeting's Organisation Committee.

He said he wished to exchange visions and experiences at the dinner for putting member countries on the path to one ASEAN, one identity, and one community.

Next, the Union Minister and the chairman of the Nay Pyi Taw Council presented souvenirs to ASEAN leaders attending the 53rd meeting.

Dance troupes from the Ministry of Religious Affairs and Culture and the National University of Arts and Culture (Mandalay) performed traditional and regional dances at the dinner. —MNA I/ (Translated by Myat Thandar Aung)

State Counsellor meets with Chinese Premier in S'pore



State Counsellor Daw Aung San Suu Kyi shakes hands with Chinese Premier Mr. Li Keqiang during the 33rd ASEAN Summit held in Singapore. **PHOTO: MNA**

STATE Counsellor Daw Aung San Suu Kyi, who has been in Singapore to attend the 33rd ASEAN Summit and related Summits, held bilateral talks with Mr. Li Keqiang, Premier of the People's Republic of China, on 15 November 2018 at the Suntec Expo Convention Centre at 1:45 pm yesterday.

During the meeting, the State Counsellor and the Premier exchanged views on promoting bilateral relations and cooperation, including education and human resources development, preparatory works for the repatriation of the displaced persons from Rakhine State and the peace process.

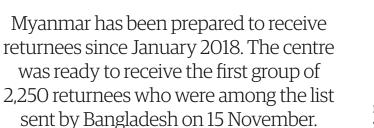
The Chinese Premier expressed that China supported the Myanmar Government's Peace and National Reconciliation efforts and efforts to resolve the situation in Rakhine State and would continue to support Myanmar in the international arena.

The State Counsellor expressed appreciation to the Chinese government for the consistent support extended to the Myanmar Government for the peace process and the Rakhine State issue.—MNA

Union Ministers inspect repatriation readiness at reception centre

UNION Minister for Labour, Immigration and Population U Thein Swe, Union Minister for Social Welfare, Relief and Resettlement Dr. Win Myat Aye, Rakhine State Chief Minister U Nyi Pu, Deputy Ministers who are Chairmen of the Rakhine State work committees on receiving and resettlement of returnees, ministers from Rakhine State Government and departmental officials visited Taung Pyo Letwe Reception Centre yesterday, where they inspected the centre's readiness to receive returnees. Deputy District Administrator U Ye Htoo and officials of the centre provided explanations about the activities of the centre.

Myanmar has been prepared to receive returnees since January 2018. The centre was





Union Ministers Dr. Win Myat Aye and U Thein Swe stand at the Taung Pyo Letwe friendship bridge in Rakhine State. **PHOTO: MNA**

ready to receive the first group of November. 2,250 returnees who were among Myann the list sent by Bangladesh on 15 ceive the re

Myanmar is prepared to receive the returnees. Once they return, arrangements were also made to provide humanitarian aid, to assist in their livelihoods, to give training for employment, education, health and to provide freedom of travel in accordance with the law, as well as a cashfor-work program through international cooperation.

Later in the evening, Union Ministers U Thein Swe and Dr. Win Myat Aye, Rakhine State Chief Minister U Nyi Pu and Deputy Ministers who are Chairmen of the Rakhine State work committees on receiving and resettlement of returnees, met with the media at the Rakhine State government guest house.—MNA

> (Translated by Myat Thandar Aung)

MOFA explains Rakhine repatriation



Permanent Secretary U Myint Thu from the Ministry of Foreign Affairs, center in right picture, explains about the repatriation process of the first batch of displaced people from Bangladesh and the possible reasons for its delay, during a press conference in Nay Pyi Taw yesterday. **PHOTO: MNA**

THE Ministry of Foreign Affairs held a press conference on the repatriation of displaced people from Bangladesh to Rakhine State in Nay Pyi Taw yesterday.

Review of the situation on the ground

Permanent Secretary U Myint Thu from MOFA answered questions from the media. He said the press conference aimed to explain the first phase of repatriation between Myanmar and Bangladesh, which begins today.

U Myint Thu said he attended the third Myanmar-Bangladesh Joint-Working Group meeting in Dhaka on 30 October. He said an agreement was made to repatriate 2,261 people as the first batch of returnees on 15 November.

He said the 2,261 people slated to return to Rakhine state were on a list of 8,032 people sent by Bangladesh and were scrutinized at the Home Affairs Ministerial meeting held in Dhaka in February this year.

U Myint Thu said Bangladesh has informed Myanmar that the first batch of displaced people will return by sea route to the Nga Khu Ya Reception Centre, and later, they informed that they will be taken to the Taung Pyo Letwe Reception Centre by road. He said Myanmar had completed preparations for their return.

The permanent secretary said that SWRR Union Minister Dr. Win Myat Aye had talked about his visit to the centres for repatriation and given information about them at a recent press conference in Yangon. Physical arrangements are complete on Myanmar's side and the 2,261 returnees will be accepted starting 7am, yesterday, said U Myint Thu.

He said officials are already in place at the Taung Pyo Letwe friendship bridge gate to welcome the returnees. The officials include Rakhine State's Minister for Security and Border Affairs Col. Phone Tint, who is also the Joint-Chairman of the Working Committee for Repatriation of Displaced People, and Rakhine State's Minister of Electricity, Industry, and Transportation U Aung Kyaw Zan, said U Myint Thu.

He added that Union Ministers Dr. Win Myat Aye and U Thein Swe, Rakhine State Chief Minister U Nyi Pu, Deputy Minister U Soe Aung, and other officials have also arrived

...although preparations for receiving the returnees are complete, Bangladesh has still not sent any people...Bangladesh could not complete the physical arrangements thoroughly. –U Myint Thu, Permanent Secretary at the Taung Pyo Letwe Reception Centre.

Repatriation delayed U Myint Thu said although

preparations for receiving the returnees are complete, Bangladesh has still not sent any people. He offered his opinion that Bangladesh could not complete the physical arrangements thoroughly.

He said the list of 8,032 people was not filled out by the intended people themselves, and it is because of this that unnecessary delays are occurring.

U Myint Thu said he met with representatives of the displaced people in Kutupalong camp in Cox's Bazar on 31 October. He also met with Hindu representatives and said there are 438 Hindu people there that wish to return as soon as possible.

Possible causes for delay

The permanent secretary said the displaced people can be divided into three groups. The first group has people who wish to travel to a third country, such as Canada, from Bangladesh. This group may not have any desire to return to Myanmar, he said.

The second group has people who were involved in the ARSA terrorist attacks that occurred in 2016 and 2017, said U Myint Thu. He said these are the villagers who were recruited into ARSA to attack the 30 police posts and an army base. He said this group may not wish to return to Myanmar too.

The third group comprises of people who have homes and relatives left behind, own fields and fishing boats and have a business of their own. These people have the desire to return ...applying pressure to those who do not wish to return won't yield any results. Sending back people who wish to voluntarily return will start the repatriation process...

to Myanmar, said U Myint Thu.

He said applying pressure to those who do not wish to return won't yield any results. Sending back people who wish to voluntarily return will start the repatriation process, he said.

Continued cooperation

U Myint Thu said they will cooperate with neighboring countries and mentioned that China had donated 1,110 houses in the last month while India donated 250 and Japan donated houses too. He mentioned that ASEAN countries have announced they will provide support in Northern Rakhine as well.

He said the AHA Centre in Indonesia offered an invitation to cooperate with Myanmar during the 33rd ASEAN Summit held in Singapore recently. He said they will accept the offer.

U Myint Thu said they are also working together with UNDP and UNHCR in line with the MoU signed with them on 6 June 2018. He said they have conducted two Rapid Needs Assessments in Northern Rakhine in September and October. He said they regularly hold technical working group meetings with UNDP and UNHCR and will continue cooperation processes.

He repeated himself and said the union ministers, Rakhine State chief minister and other officials are already in place at the Taung Pyo Letwe Reception Centre for the repatriation process which begins today.

He said they will follow the signed arrangement with Bangladesh and cooperate in the repatriation process. He said they will ensure the repatriation is voluntary, safe and dignified for the returnees.

He said he hopes the UN-HCR does not operate in a hindering way regarding the repatriating of people who truly wish to return. He concluded by saying they will continue cooperating with Bangladesh in the repatriation process. He then replied to questions from the media.

Also attending the press conference were Permanent Secretary U Myo Myint Maung from the Ministry of Information, Director-General U Ko Ko Naing from the Ministry of Social Welfare, Relief and Resettlement, department officials, and local and foreign media members. — MNA I (*Translated by*)

Zaw Htet Oo)

Summit held to boost Myanmar- Singapore business ties

THE SAM Business Summit 2018 was held at the Lotte hotel in Yangon yesterday, with the aim of boosting Myanmar-Singapore business. The event was organized by the Singapore Association of Myanmar.

The summit was attended by U Thaung Tun, Union Minister for the Office of the Union Government and the Chairman of the Myanmar Investment Commission, Ms. Vanessa Chan, Singapore's Ambassador to the Republic of the Union of Myanmar, and entrepreneurs from both countries.

"Myanmar is charting a new course to achieve sustainable and inclusive development. We have adopted the Myanmar Sustainable Development Plan, which can be seen as the roadmap for our transition. A number of reform measures – regulatory, institutional, and procedural – have been taken, and



Union Minister U Thaung Tun delivers an addresses at the SAM Business Summit in Yangon yesterday. PHOTO: MNA

this has sparked more interest and foreign investment into the country," said U Thaung Tun.

"With a fast-growing consumer market and industry sectors which require development, Myanmar is attracting large MNCs in a number of sectors including oil and gas, finance, construction, transport, logis-

... the lifting of restrictions on foreign banks and other reforms in the area of financial and economic regulation are very hopeful and can lead to strong and positive results in future. tics, telecommunications, and tourism. Myanmar's economic potential is well-recognized, but we need to take proactive steps to secure investments," he said.

"Not long ago, the Myanmar State Counsellor said there are many investment opportunities in Myanmar. The government is also making efforts to ensure ease of doing business. There is also a significant change in the economic sector. So, Singaporean businesses have to make responsible investments," said Ms Vanessa Chan.

"There have been very positive regulatory elements very recently. For instance, the lifting of restrictions on foreign banks and other reforms in the area of financial and economic regulation are very hopeful and can lead to strong and positive results in future," she said.

Lectures on "overview of real estate development in Myanmar", "legal developments in Myanmar", and "doing business in Myanmar" were held at the meeting. Panel discussions were also conducted on the economic outlook for Myanmar in 2019 and digitalisation in Myanmar.

Ms Suegene Ang from the Wong Partnership, who participated in the lectures, said once Myanmar carries out significant legal reforms, foreign investors, including those from Singapore, will benefit. "Myanmar has several political challenges, and so, investors are concerned about their investments. However, investments are flowing in steadily, and we hope investor confidence will recover soon," she said.

The All-Myanmar Singapore Federation plans to hold the SAM Business Summit annually. Singapore ranks second among 49 foreign countries investing in Myanmar, with investments in power plants, hotels, and the food and beverages, and education sectors.—May Thet Hnin

(Translated by Hay Mar)

Businesses welcome CBM move allowing foreign banks to lend to local firms

By May Thet Hnin

LOCAL businesses have welcomed the Central Bank of Myanmar's recent move to allow foreign banks to lend to local firms in kyats and US dollars.

"The move will benefit exporters and importers. If foreign banks can offer financial support to exporters, importers, and large companies, it can help small and medium enterprises gain greater access to funds from local banks," said U Ye Min Aung, the Vice President of the Union of Myanmar's Federation of Chambers of Commerce and Industry.

Daw Toe Nandar Tin, Vice President of the Myanmar Fisheries Products Processors and Exporters Association, also welcomed the move by the CBM. She suggested that a project-wise loan system which does not require collateral, and is practiced internationally, would be preferable and adequate for most local firms to operate their businesses.

Most businesses are experiencing challenges at present in obtaining loans from local banks due to collateral and short suspension periods, she said adding, it is difficult for businesses to have access to long-term loans.

With the CBM allowing foreign banks to lend to local firms, companies will now have better access to funds, and the move may also help stabilize the exchange rate, said CBM Deputy Governor U Soe Thein at a press conference on 14 November.

"The participation of foreign banks in the banking sector can help stabilize the exchange rate with higher inflow of US dollars into the local currency market. They can supply much dollar and kyat liquidity to the market," he said.

To level the field for foreign and domestic banks, the CBM issued a directive on 8 November, allowing 13 foreign banks which already have branches in the country to provide more banking services to local companies. With the move, the CBM aims to improve companies' access to finance.

Foreign banks can now lend to local corporates in US and Myanmar currency, the CBM's Deputy Governor said.

The CBM will not set a fixed interest rate for dollar-based lending, he said adding, the rate will be fixed depending on the prevailing global market prices. Same as local private banks, the foreign banks cannot offer local currency loans at interest rates exceeding 13 per cent. Financing instruments in the market include opening letters of credit, bills of discount, and bills of purchase. Lenders usually offer loans against fixed deposits.

Foreign banks can now provide only corporate banking services, but they are restricted from providing retail banking services and direct lending to the public. They are not allowed to accept immovable assets as collateral.

"We want them to prioritize dollar funding and support export-and-import financing in order to lead the growth of the economy. Local banks cannot meet foreign currency demands of local businesses. This being so, we want the foreign banks to inject dollar liquidity into the market," said U Soe Thein.

Both local and foreign banks can submit their new fi-

nancial services to the CBM for approval next week. The CBM will approve the financing services after a screening.

The 13 foreign bank's permitted by the CBM to enter the domestic market are the MUFG Bank Ltd., the Oversea-Chinese Banking Corporation Ltd., the Sumitomo Mitsui Banking Corporation, the United Overseas Bank Limited, the Bangkok Bank Public Company Limited, the Industrial and Commercial Bank of China, the Malayan Banking Berhad(Maybank), the Mizuho Bank Limited, the Australia and New Zealand Banking Group Limited, the Joint Stock Commercial Bank for Investment and Development of Vietnam (BIDV), the Shinhan Bank, the E.Sun Commercial Bank Limited, and the State Bank of India. 🔳

(Translated by Ei Myat Mon)

6 LOCAL NEWS

GLOBALNEW LEGHTOF MYANMAR

www.globalnewlightofmyanmar.com

DEPUTY CHIEF EDITOR Aye Min Soe dce@globalnewlightofmyanmar.com

SENIOR EDITORIAL CONSULTANT Kyaw Myaing

SENIOR TRANSLATORS Zaw Min Zaw Htet Oo Win Ko Ko Aung

INTERNATIONAL NEWS EDITOR Ye Htut Tin

editor1@globalnewlightofmyanmar.com

LOCAL NEWS EDITORS

Tun Tun Naing (Editor), intlnews@globalnewlightofmyanmar.com Nwe Nwe Tun (Sub-editor), nwenwe9131@gmail.com

TRANSLATORS

Khaing Thanda Lwin, Hay Mar Tin Win, Ei Myat Mon Kyaw Zin Lin Kyaw Zin Tun

REPORTER

May Thet Hnin, reporter1@globalnewlightofmvanmar.com mavreporter.mm@gmail.com

PHOTOGRAPHER Kyaw Zeya Win @ Phoe Khwar

COMPUTER TEAM Tun Zaw, Thein Ngwe, Zaw Zaw Aung, Ye Naing Soe, Hnin Pwint, Kay Khaing Win. Sanda Hnin, Thein Htwe

EDITORIAL SECTION (+95) (01)8604529, Fax - (+95) (01) 8604305

CIRCULATION & DISTRIBUTION San Lwin. (+95) (01) 8604532. Hotline - 09 974424114

ADVERTISING & MARKETING (+95) (01) 8604530, Hotline - 09 974424848 marketing@globalnewlightofmyanmar.com subscription@globalnewlightofmyanmar.com

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gnlmdaily@gmail.com www.globalnewlightofmyanmar.com www.facebook.com/TheGNLM



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Due to limitation of space we are only able to publish "Letter to the Editor" that do not exceed 500 words. Should you submit a text longer than 500 words please be aware that your letter will be edited.

Bago Region government, MFF to discuss aquaculture in dams

By May Thet Hnin

THE Bago Region government will conduct negotiations with the Myanmar Fisheries Federation (MFF) concerning fish farming in some dams in the region, following approval for the project from the region chief minister.

"Officials from the Bago **Region Fisheries Federation at**tended a forum on development of fish and shrimp farming last month, and we submitted the benefits of aquaculture in dams to the region chief minister. We will iron out the details soon,"

said U Gyi Ngwe, an executive member of the MFF.

Under the Freshwater Fisheries Law, the region and state have the power to approve fish farming in dams. Bago Region planned to initiate such a project under the incumbent government. Of the 40 dams in the region, 15 are available for aquaculture.

To implement the project, taxes will be imposed as per rates set by the Irrigation and Water Utilisation Management Department. The MFF and Bago Region Fisheries Department have submitted a detailed report to the Bago Region Government, and they will also organize investors, said U Gyi Ngwe.

"Fish farming in dams can help save costs. Production costs stand at around Ks2,000 per viss in fish farms, while it costs less than Ks1,000 to farm fish in dams. This project can bring about self-sufficiency, create jobs, and even cater to the export market if marketable fish are farmed. The Bago Region's Chief Minister has also asked us to run processing activities, to help gross domestic product GDP growth," he said.

According to a draft report drawn up by the MFF, the project will include cage and pen fish farming, involving net enclosures and cage culture. The draft also states that fish larvae are to be added to the dams and locals are to be permitted to harvest and sell them. River-spawning fish larvae of Rohu, carp species will be farmed at the dams, according to the draft.

"There was a six-month trial stage for aquaculture in some dams in Bago Region in the past 15 years, but it was limited by policy later on," he said. (Translated by Ei Myat Mon)■

Mobile library brings books to Yathedaung, Rakhine State



Children reading books borrowed from the mobile library. PHOTO: SUPPLIED

A MOBILE library service was provided yesterday by the Yathedaung Township's Information and Public Relations Department of the Ministry of Information to local communities in Yathedaung,

Rakhine State. The mobile library visits villages in the township every Thursday.

"Local residents are weak in reading. We have to cultivate a love for reading among them. We will bring them books they want to read," said Daw Aye Than Nu, a librarian with the Yathedaung Public Library. — Township IPRD 🔳

(Translated by Nwe Nwe Tun)

19,500 Yaba pills confiscated in Maungtaw

NAVY troops discovered 19,500 Yaba pills from a boat abandoned by several people in the Naf River in Maungtaw Township on 15 November. The troops, while conducting patrol, found

the suspicious boat with several people on board at 5:15 am and signaled them to stop for inspection.

But, the people on the boat jumped into the river, swam away and managed to escape. $GNLM \blacksquare (Translated by JT)$



Shwebo plans to grow 300.000 acres of summer paddy

THE Shwebo District's Department of Agriculture aims to cultivate nearly 300,000 acres of summer paddy in the district in Sagaing Region in the current financial year.

The department said it plans to rely on the Thaphanseik Dam to supply water to 269,608 acres of summer paddy farms in six townships in the district in the 2018-2019FY. It will also use other sources of water for irrigation purposes. Thanks to the Thaphanseik Dam, the department successfully helped irrigate over 500,000 acres of monsoon paddy fields last season, officials said. As the main rice production area in upper Myanmar, Shwebo District cultivated a total of 201,379 acres of monsoon paddy and over 300,000 acres of summer paddy in the last 2017-2018 FY. It also grew about 76,470 aces of other crops.

Rice tops the list of Myanmar's export items. The country exports rice, parboiled rice, sticky rice, and broken rice to over 40 countries, including its neighbouring countries, the Ivory Coast, Senegal and other African states, Singapore, Sri Lanka, Papua New Guinea, Russia, and some European states.

Between 1 April and 26 October this year, the country exported 1.2 million metric tons of rice to its trade partners. In the last 2017-2018 FY, the country earned US\$1.13 billion from the export of 3.6 million metric tons of rice and broken rice.—Yaung Ni Tin Win (Translated by Khaing Thanda Lwin)

Central Committee plans for 98th National Day in Nay Pyi Taw



Union Minister Dr. Myo Thein Gyi delivers the speech at the central committee held in Nay Pyi Taw. **PHOTO: MNA**

THE Central Committee set up for planning the 98th National Day, to be observed this year, conducted a meeting at the Ministry of Education in Nay Pyi Taw yesterday. At the meeting, Central Committee Chairman and Union Minister for Education, Dr. Myo Thein Gyi, said six sub-committees have been formed to ensure the National Day is held successfully.

The theme of the 98th National Day is 'all-round development of ethnic nationals, and cooperation for Union peace', the minister said adding, the theme has been approved at a Hluttaw meeting. Celebrations will be held in schools and townships, he said. The minister also urged that the National Day Message this year must incorporate the perpetuation and strengthening of nationalism, work for Union peace, all-round development of all ethnic nationalities, and emergence of a democratic federal union.

Next, the joint-secretary of the Central Committee, U Ko Lay Win, who is also director-general of the Basic Education Department, presented the report for the 97th National Day. which was held in 2017. This was followed by a report from the Central Committee secretary and director-general of the Educational Research, Planning, and Training Department, Dr. Win Tun, on arrangements approved by the Office of the Union Government for the celebrations this year. Later, Daw Mu Mu Aung, the deputy director-general of the Educational Research, Planning, and Training Department, presented a draft of the message to be delivered at the 98th National Day celebrations. Participants at the meeting made amendments to the draft message, and discussed their respective subcommittee's tasks for the celebrations.

The Central Committee chair guided the discussions and then concluded the meeting with a closing speech.

The meeting was attended by the Central Committee vicechair and Deputy Minister for Education, U Win Maw Tun, and committee members comprising officials from the ministries of Home Affairs, information, religious affairs and culture, health and sports, and education, and representatives from the Nay Pyi Taw Council. —MNA \blacksquare / (*Translated by Zaw Htet Oo*) Republic of the Union of Myanmar Office of the President Order 38/2018 8th Waxing of Tazaungmone, 1380 ME 15 November, 2018

Appointment of Judge of the Supreme Court of the Union

In accordance with the provisions stated in the Article 299, section (b) of the Constitution of the Republic of the Union of Myanmar, section (b), sub-section (6) under Article 16 of the Union Government Law, and Article 25 of Union Judiciary Law, U Myo Win has been appointed as Judge of the Supreme Court of the Union.

> Sd/ Win Myint President Republic of the Union of Myanmar

Raw gems, jade sale continues for the fourth day

THE raw gems and jade sale organized by the Myanmar Gems Emporium's Central Committee entered its 4th day at the Mani Yadanar Jade Hall in Nay Pyi Taw yesterday. Raw gems and jade stones are being sold in the local currency at the exhibition.

In the morning, local merchants looked at jade stones displayed around the Hall and submitted their bids. A list of merchants was announced for the open tender for lot numbers 1 to 1,150. A total of 1,124 lots of jade, worth Ks16,752.25 million, were sold yesterday.

Jade lots, bearing serial numbers 1,151 to 2,300 will be sold today, and lots bearing serial numbers 2,301 to 3,339 will be sold tomorrow through an open tender. —MNA \blacksquare / (*Translated by Myat Thandar Aung*)

Union AG holds coordination meeting with advocate generals, law officers

A FIFTH coordination meeting between the Union Attorney General and Advocate Generals of states and regions, and law officers was held at the ground floor meeting hall of the Union Attorney General's Office yesterday afternoon.

At the meeting, Union Attorney General U Tun Tun Oo said the government is setting up policies to implement the amendments to the Constitution, which serves as the basic foundation for the rule of law, raising the socio-economic condition of the people, national reconciliation, internal peace, and the establishment of a democratic federal union.

"Law offices must lend their full support to make the government's policies a success. As the State/Region Advocate Generals are members of the State/Region governments, they must provide necessary legal advice, according to the law, to their respective governments and departmental organisations. Care must be taken so that legal advice given by and prosecution work conducted by the Union Attorney General's Office and all levels of law offices are true and correct," he said.

"When prosecuting cases, papers filed by the police and the case files must be studied carefully, and laws related to the cases must be studied completely. In submitting the cases to the courts, information on witnesses, evidence, the law through which the case is being tried, and legal precedent should be included, and the work must be done speedily," he said.

"Officials must deal with the

public courteously, and take care to ensure court appointments are not missed. Amendments must be submitted and appeals must be made without exceeding the set deadlines," he said.

"When conducting their work, law officers must uphold ethics and norms. They must carry out work without any corruption or bias. All officials must cooperate and participate in establishing the rule of law and spread of legal knowledge. States and regions must submit law-related information in a timely manner so that it can be included in the Myanmar Law Information system posted on the Union Attorney General's website," he said.

"To uphold and protect the rights and privileges of the people, law officers must strive towards becoming good pub-



The 5th coordination meeting between Union Attorney General U Tun Tun Oo and Advocate Generals of states and regions, and law officers held in Nay Pyi Taw yesterday. **PHOTO: MNA**

lic servants. They must be fair, unbiased, qualified, and work according to the law," said the Union Attorney General.

The meeting was attended by the Deputy Attorney General, the State/Region Advocate Generals, the Permanent Secretary, Directors General, Deputy Directors General, Directors, and state/region law officers. The two-day coordination meeting will end 16 November. —MNA ■ (Translated by Zaw Min)

NATIONAL 7

OPINION 8

16 NOVEMBER 2018 THE GLOBAL NEW LIGHT OF MYANMAR

16 NOVEMBER 2018 THE GLOBAL NEW LIGHT OF MYANMAR

Surviving the Information Age

HE information superhighway came into prominence at the end of the 20th century, when access to knowledge and information became faster and more integrated. Also known by the dated expression 'infobahn' at the time of its inception, the global networking phenomenon is particularly important in the fields of politics, economics, and society.

Having complete facts and information, and possessing them quicker than others, places you way ahead of everyone else. Competition arises out of this as people vie on methods for gathering information and disseminating it through a medium that reaches out to the greatest number of audiences.

A vivid example of the transformational effects of the digital age can be seen in national affairs. News and information relating to Rakhine State in Myanmar were spread at blistering speeds across a wide demographic.

But, a lack of ethics was witnessed in the recent situation as false or adulterated information was spread rapidly far and wide, resulting in international hardships and a bitter lesson for Myanmar.

Even with a firm belief in the truth, the consequences of the ac-

But, a lack of ethics was witnessed in the recent situation as false or adulterated information was spread rapidly far and wide, resulting in international hardships and a bitter lesson for Myanmar.

tions of people with ill-intent have created a multitude of unnecessary issues that are now demanding to be solved.

Myanmar needs to try harder to catch up with the current age of information proliferation and ease of public access to it.

It seems that Myanmar is having a harder time acquiring domestic news and information than getting international news. Not only that, we need to structure ourselves so that accurate information can be delivered quickly and effectively to a wide range of both local and foreign audiences.

To achieve this, there need to be more contextually supportive departments for gathering and spreading news and information. On that note, it is a delight to hear that there are projects under way to firmly reestablish public libraries across the country and to conjure methods for better news gathering.

It is important to establish central news and information departments under national libraries project as they can be a major resource for acquiring local news and information. We need not look any further than the inclusion of information centers in national libraries across the world.

When we make plans to refurbish the national library, we must not pool our focus on the physical structure and grandiose designs for the building. We must brainstorm on setting up networks between the central news and information department and other similar agencies in townships across the country.

At present, Myanmar is not equipped to gather information on population, crime, and health statistics from each township easily.

It is also not enough to outfit the information centers with the latest technology. We need individuals with the skills and capabilities to maintain the system, and we need to foster private-government cooperation between news agencies so that reliable information centers and central departments can be emerged.

As Antibiotic Resistance is related to all, it is addressed as most global threat **Professor Dr Htay Htay Tin**

Dialogue titled "World Antibiotics Awareness Week"

maguo

What Antibiotics Awanenes

Week (WAAW)

အထိမ်းဆမ္မတ် စကားမိ

ORLD Antibiotics Awareness Week falls between 12 to 18 November this year. Myanma Radio and Television presents the dialogue under the title "World Antibiotics Awareness Week - WAAW" in which Deputy Director-General Professor Dr Htay Htay Tin of National Health Laboratory, Professor (Medicine) of University of Medicine - 1 Professor Dr Zaw Than Tun, Director Dr Min Thein Maw of Livestock Breeding and Veterinary Department and Country Representative Dr Stephan Paul Jost of World Health Organization are participating.

Facilitator: Some have knowledge that there is antibiotics resistance. What is antibiotic resistance?

Professor Dr Htay Htay Tin: In 1928, a researcher named Alexander Fleming postulated the antibiotics and he named it penicillin. Antibiotics are drugs that fight infections caused by bacteria in both humans and animals and plants. Since the finding of penicillin, it has been widely used and thus it is now 90 years using the drug. Fifty years ago, we came to know that taking antibiotic drugs could completely cure diseases but at the same time antibiotic-resistant strains are beginning to emerge. Therefore, WHO, World Veterinary Association and FAO have addressed the problem as global threat. Myanmar as a developing country has also been encountering such problem. This dialogue is aimed at cooperating among us to address the antibiotic resistance.

The antibiotic resistance can affect human being, then go on to infect animals, and further more to plant and human being again. A carrier of antibiotic resistant bacteria defecates and this infects animals and plants, and eating them, the bacteria again infects human being. As antibiotic resistance is related to all, it is addressed as most global threat.

Facilitator: Why are bacteria becoming resistant to antibiotics? In which situation can it occur?

Professor Dr Zaw Than Tun: Antibiotic Resistance is very interesting. 90 years since discovery of penicillin, bacteria have been killed by giving penicillin. Antibiotic resistance occurs when bacteria develop the ability to defeat the drugs designed to kill them. When bacteria become resistant, antibiotics cannot fight them, and the bacteria multiply. Bacteria can become resistant to antibiotics through several ways. Some bacteria can "neutralize" an antibiotic by changing it in a way that makes it harmless. Others have learned how to pump an antibiotic back outside of the bacteria before it can do any harm. A patient who is just catching cold does not need to take antibiotics. Overuse and misuse of antibiotics allows the development of antibiotic-resistant bacteria. Every time a person takes antibiotics, sensitive bacteria (bacteria that antibiotics can still attack) are killed, but resistant bacteria are left to grow and multiply. Another fact is that a physician put the patient on antibiotics for a week of daily dosing. But

the patient takes the medicines

just three days, then the problem started. Again, the daily dosing is just for a week, but put the patient on antibiotics for three weeks is overdosing. Bacteria can change their outer structure so the antibiotic has no way to attach to the bacteria it is designed to kill. This is how

animal health and higher pro-As you said, it is precious to duction but some uses are not know that the not-ready-to-eat food infected with antibiotic reneeded. To use antibiotics just sistant bacteria can harm peofor growth enhancement with the aim of sending the meats ple. Please explain antibiotic to the market before it is ready resistance in disease control. to eat is dangerous because an-**Professor Dr Zaw Than Tun:** tibiotic resistance can affect To ensure less antibiotic resisthuman through these meats. ance, the antibiotics exposed to repeated use of antibiotics can The spread of animal excre-

Multi Drug Resistance TB is the consequence of antibiotic resistance. It is difficult to cure such TB. Therefore, it is important to control the misuse of antibiotics.

sistant bacteria

Facilitator: Sir, please explain antibiotic resistance in bacteria associated with animals.

Dr Min Thein Maw: Antibiotics are used for growth enhancement and, in some cases, reduction in foodborne pathogens The use of antibiotics in animal production has demonstrated benefits, including improved

increase the number of drug-re- ments to nearby residential area may affect people living there. Therefore, setting up a livestock breeding farm should follow the rules such as making sure that it is run under sound biosecurity. This is crucial for controlling the threat of antibiotic resistance.

> Facilitator: Ethics of food producers are very important regarding antibiotic resistance.

OPINION 9

By Win Mi Mi Phyo PHOTO: HIa Moe



bacteria must be less. Patients with too many bacteria is admitted to the Intensive Care Unit and in such case, the antibiotics have to be put on. In such surroundings, there are many chance to multiply antibiotic resistance. Therefore, awareness should be raised on antibiotic resistance and personal hygiene.

Facilitator: To what level the antibiotic resistance is posing danger to Myanmar?

Professor Dr Htay Htay Tin: The social economic cost spent to cure the patient with antibiotic resistance is too much for the country. It will take more time to cure and some patients cannot resist the disease. Ordinary flu can be cured but antibiotic resistance patient cannot be cured normally. He has to take expensive medicines. May be it may cure his disease but his gene will be resistant. Therefore it will be an endless circle.

Antibiotic resistance is not just related to this patient only.

The country loses human resource. The spread of it cannot be estimated. Therefore infection control is of utmost importance for the surroundings and family.

Facilitator: Antibiotic resistance is one of the biggest threats to global health. What is the current situation worldwide?

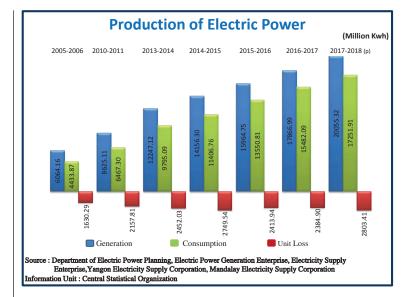
Dr Stephan Paul Jost: Thank you very much for the crucial question. Antibiotic resistance can affect any country, big or small, rich or poor. It can also affect the hospitals, as said by Professor Dr Htay Htay Tin.

There are now in the world, diseases infected from the hospital has emerged. It broke out not only in the hospitals but also in other places. Misuse of antibiotics is the main culprit. It also reduces our capacity to provide public healthcare services. Multi Drug Resistance TB is the consequence of antibiotic resistance. It is difficult to cure such TB. Therefore, it is important to control the misuse of antibiotics.

Only through taking antibiotics systematically can preserve our healing capacity. Antibiotics should be taken only if it is necessary and it must be taken to the full course. The simple way of not to be infectious such as hand washing with soaps should be applied.

This book published by the Ministry of Health and Sports with the support of WHO is very much supportive. It describes preventive measures against antibiotic resistance. For example, ways and means that can be taken by nurses, dentists, pharmacologists, and midwives are described in this book. Not only in the World Antibiotics Awareness Week but also our daily routines, we can apply these methods. This will help prevent people from antibiotic resistance and other infectious diseases.

> (To be continued) (Translated by Wallace)



Severe Cyclonic Storm 15 November 2018, 14:00 MST Today Severe Cyclonic Storm

According to the observations at (13:30)hrs MST today, the Cyclonic Storm (Gaja) over Southwest Bay has moved West-South westwards and it has intensified into a Severe Cyclonic Storm (Gaja). It is centered at about (170)miles East of Chennai(India) and about (165)miles East-Northeast of Nagapattinam(India).

It is not moving towards Myanmar Coasts, the present stage of the Cyclonic Storm is coded yellow stage.

Position of Severe Cyclonic Storm, center pressure and wind

Severe Cyclonic Storm is located at Latitude (11.3) degree North and Longitude (82.6) degree East, centre pressure of Severe Cyclonic Storm is (995)hPa and maximum wind speed near the centre is (55-60) miles per hour at (13:30)hrs MST today. During next (12)hrs Forecast

It is expected to move West-Southwestwards and cross Tamil Nadu Coast between Pamban and Cuddalore during next (12)hours General caution

Due to the Severe Cyclonic Storm, rain or thundershowers will be isolated to scattered in Nay Pyi Taw, Sagaing, Mandalay, Magway, Bago, Yangon, Ayeyawady and Taninthayi regions, Kachin Shan, Chin, Rakhine, Kayah, Kayin and Mon states within next (24) hours commencing today afternoon.

Squalls with rough seas are likely at times off and along Myan mar Coasts. Surface wind speed in squalls may reach (35-40) m.p.h Wave height will be about (8 - 10) feet off and along Myanmar Coasts.

People should be aware trawlers, vessels and ships off and along Myanmar Coasts.

Myanmar Daily Weather Report (Issued on Thursday 15 November 2018)

BAY INFERENCE: According to the observations at (18:30) hrs MST today, the Severe Cyclonic Storm(Gaja) over Southwest Bay of Bengal has moved West-Southwestwards. It is centered at about (145)miles East of Chennai (India) and about (100)miles East-Northeast of Nagapattinam (India). Weather is partly cloudy to cloudy over the Andaman Sea and Bay of Bengal.

FORECAST VALID UNTIL NOON OF 16 November 2018: Rain or thundershowers will be scattered in Taninthayi Region, (South ern and Eastern)Shan, Kayah, Kayin and Mon states and isolated in the remaining regions and states. Degree of certainty is (80%) STATE OF THE SEA: Squalls with rough sea are likely at times off and along Myanmar Coasts. Surface wind speed in squalls may reach (35-40) mph. Wave height will be about (8-10) feet off and along Myanmar Coasts. **OUTLOOK FOR SUBSEQUENT TWO DAYS: Likelihood of** isolated to scattered rain or thundershowers in Upper Sagaing and Taninthayi regions, Kachin, Shan, Kayah, Kayin and Mon states. FORECAST FOR NAY PYI TAW AND NEIGHBOURING AREA FOR 16 November 2018: Isolated rain or thundershowers. Degree of certainty is (80%).

FORECAST FOR YANGON AND NEIGHBOURING AREA FOR 16 November 2018: Isolated rain or thundershowers. Degree of certainty is (80%).

FORECAST FOR MANDALAY AND NEIGHBOURING AREA FOR 16 November 2018: Isolated rain or thundershowers. Degree of certainty is (80%).

November 3, 2018, by-election elected Hluttaw candidates and results

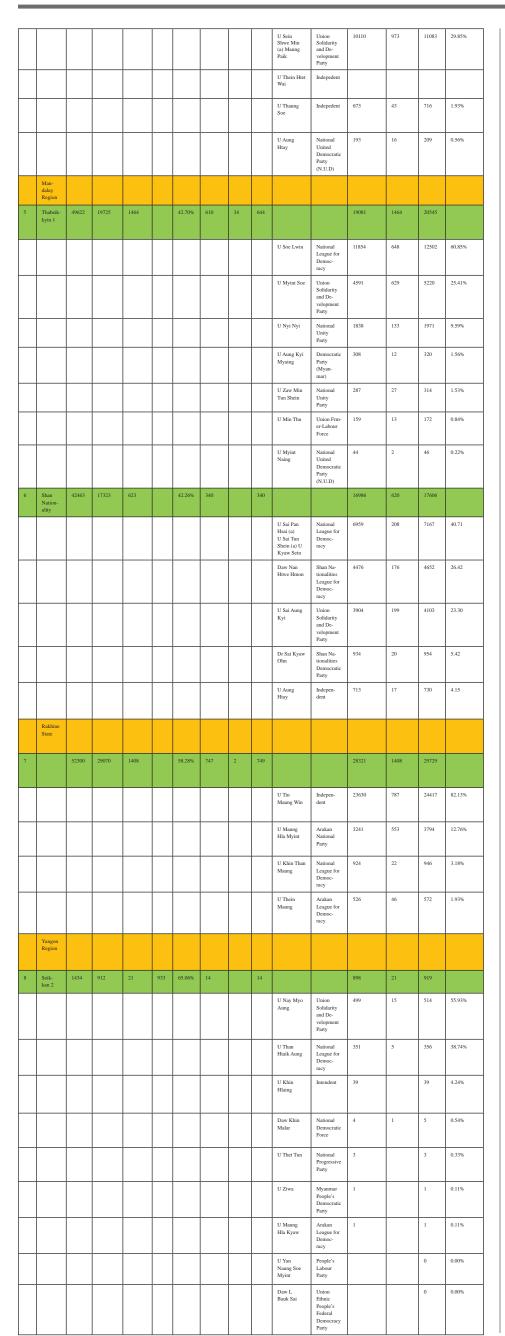
No	Constituency	Eli- gible Vot- ers	Number of Voters			Percentage of Voter	Reject / Loss Voters			Valid Vot	es	Percentage of Valid Votes	
			Polling Station	Advanced voters	Total		Reject		Total	Votes	A d - vanced Votes	Total	
	Pyithu Hluttaw												
1	Kanpetlet	12449	7860	572	8432	67.73%	135	0	135	7732	565	8297	98.40%
2	Myingyan		85845	5285	91130	41.07%	1881	11	1892	84041	5197	89238	97.92%
3	Tamway	99119	31349	1585	32934	33.23%	357	11	368	30981	1585	32566	98.88%
4	Laikha	39321	11426	992	12418	31.58%	1240	2	1242	10340	836	11176	90.00%
	Total		136480	8434	144914	38.88%	3613	24	3637	133094	8183	141277	97.49%
	Amyotha Hluttaw												
1	Kachin State (2)		63637	5806	69443	34.16%	1443	8	1451	62262	5730	67992	97.91%
	Total		63637	5806	69443	34.16%	1443	8	1451	62262	5730	67992	97.91%
	Region / State Hluttaw												
1.	Matupi (1)	17362	10097	1297	11394	65.63%	224	-	224	9908	1262	11170	98.03%
2	Tamu (2)	35434	19202	1111	20313	57.33%	553	2	555	18660	1098	19758	97.27%
3	Ottwin	59675	26475	2145	28620	47.96%	579	4	583	26002	2035	28037	97.90%
4.	Minbu (2)	68414	35274	2457	37731	55.15%	601	1	602	34717	2412	37129	98.40%
5.	Thabeikkyin (1)	49622	19725	1464	21189	42.70%	610	34	644	19081	1464	20545	96.96%
6.	Yathedaung (2)	52300	29070	1408	30478	58.28%	747	2	749	28321	1408	29729	97.54%
7.	Seikkan (2)	1434	912	21	933	65.06%	14	0	14	898	21	919	98.50%
8.	Shan Nationalities	41463	17323	623	17946	42.26%	340	0	340	16986	620	17606	98.11%
	Total		158078	10526	168604	51.61%	3668	43	3711	154573	10320	164893	97.80%
	Total		358195	24766	382961	42.42%	8724	75	8799	349929	24233	374162	97.70%

4	Kaikha Con- stitu- ency	11426	992	31.58%	1240	2	1242			10340	836	11176	
								Sai Okka	Shan Na- tionalities League for Democracy	8057	493	8550	76.50%
								Sai Shwe Hsai	Shan Na- tionalities Democratic Party	1421	192	1613	14.43%
								Sai Aung Tun Lay	National League for Democracy	862	151	1013	9.07%
										ļ			
	Kachin State												
1	Con- stitu- ency (2)	63637	5806	34.16%	1443	8	1451			62262	5730	67992	
								U His Hu Dwe	Union Sol- idarity and Develop- ment Party	19681	4205	23886	35.13%
								U Kwan Gaung Aung Kham	K a c h i n Democratic Party	18634	478	19112	28.11%
								Daw Yam Khawn	National League for Democracy	18212	787	18999	27.94%
								Daw Khin Ohn	Red Shan (Tailai) and Northern Shan Soli- darity Party	3380	161	3541	5.21%
								Dr. Than Htaik Oo	Independent	1439	65	1504	2.21%
								Daw M D Khaw Nyun	Union Eth- nic People's F e d e r a l Democratic Party	916	34	950	1.40%

State and Region Hluttaw candidates

No	Con- stitu- ency	Vot- ers	Voters			Per- cent- age of voters	Reject/loss votes			Name of Repre- sentatives	Party/ Affili- ation	Valid votes			Percentage of Valid votes
			Votes at polling station	A d - vanced votes	To- tal		Reject	Loss	T o - tal			Votes at polling station	Advanced votes	Total	
	Chin State														
1	K a n - petlet		7860	572		67.73%	135		135			7732	565	8297	
										U Nyunt Win	National League for Democracy	2882	201	3083	37.16%
										U Manar Naing	Union Sol- idarity and Develop- ment Party	2372	155	2527	30.46%
										U Ki Htan Lwin	Chin Nation- al Democrat- ic Party	2269	176	2445	29.47%
										U Mnar Shin	Chin Pro- gressive Party	209	33	242	2.91%
	Man- dalay Region														
2	M y - ingyan Con- stitu- ency		85845	5285		41.07%	1881	11	1892			84041	5197	89238	
										U Sein Myint	National League for Democracy	64183	3476	67659	75.82%
										Dr. Than Win	Union Sol- idarity and Develop- ment Party	15662	1363	17025	19.08%
										U Phyo Han	Democratic Party for a New Society	3158	267	3425	3.84%
										U Ye Kyaw Aung	People's La- bour Party	1038	91	1129	1.26%
	Yan- gon Region														
3	Tam- way Con- stitu- ency		31349	1585		33.23%	357	11	368			30981	1585	32566	
										U Toe Win	National League for Democracy	26567	1242	27809	85.39%
										U Myo Win Kyaw	Union Sol- idarity and Develop- ment Party	3423	292	3714	11.41%
										Daw Thet Thet Aye	Arakan League for Democracy	296	19	315	0.97%
										U Zin Aung	Democratic Party for a New Society	186	6	192	0.59%
										U Si Si Naw Jar	Union Eth- nic People's F e d e r a l Democracy Party	176	11	187	0.57%
										U Tun Tun Win	People's La- bour Party	161	11	172	0.53%
										U Myint Kyi	Democrat- ic Party (Myanmar)	123	5	128	0.39%
										U Myint San Tun	Myanmar People's Democratic Party	49		49	0.15%
	Shan State														

No	Constit- uency	Voters	Voters			Per- centage of voters	centage of			Name of Representa- tives Party/ Affiliation		Valid votes			Percentage of Valid votes
			Votes at polling station	Ad- vanced votes	To- tal		Reject	Loss	To- tal			Votes at polling station	Advanced votes	Total	
	Chin State														
1	Matu- pi 1	17362	10097	1297		65.63%	224		224			9908	1262	11170	
										U Aung Htan Hlyan	Chin League for Democ- racy	5187	777	5964	53.59%
										U Aung Htan	National League for Democ- racy	4721	485	5206	46.61%
	Sagaing Region														
2	Tamu 2	35434	19202	1111			553	2	555			18660	1098	19758	
										U Ro htan Pwe Yar	Union Solidarity and De- velopment Party	10020	567567	10587	53.58%
										U Aung Shwe	National League for Democ- racy	6227	375	6602	33.42%
										U Oun Kho Htan (a) U Chit Maung	Chin League for Democ- racy	1389	101	1490	7.54%
										U Zam Kem Man	Zo Ethnic Region De- velopment Party	1024	55	1079	5.46%
	Bago Region														
3	Ottwin 1	59675	26475	2145		47.96%	579	4	583			26002	2035	28037	
										U Kyaw Zeya	National League for Democ- racy	12182	828	13010	46.40%
										U Win Myint	Union Solidarity and De- velopment Party	7459	806	8265	29.48%
										U Than Win	Indepedent	4095	249	4344	15.50%
										U Myint Thein	Myanmar Farmers' Develop- ment Party	834	55	889	3.17%
										U Thet Naing	National Progressive Party	490	29	519	1.85%
										U Win Htoo	People Labour Party	348	28	376	1.34%
										U Chit Khaing	Myanmar People's Democratic Party	305	23	328	1.17%
										U Myint Soe	National United Democratic Party (N.U.D)	289	17	306	1.09%
	Magway Region														
4	Minbu 2	68414	35274	2457		55.15%	601	1	602			34717	2412	37129	
										U Kyaw Ngwe	National League for Democ- racy	20141	1102	21243	57.21%



Union Minister for Information meets MMA Election Commission Chairman



Union Minister for Information Dr. Pe Myint addresses the meeting with Myanmar Music Association Election Commission in Nay Pyi Taw. **PHOTO: MNA**

UNION Minister for Information Dr. Pe Myint met with U Kyi Min Thein, the Election Commission Chairman of the Myanmar Music Association (MMA) at the guest hall of the Ministry of Information in Nay Pyi Taw yesterday morning.

The ministry wants music circles to work in unity and cooperate in the development of music, the Union Minister said adding, the ministry will extend its support to achieve this end.

At the meeting, Myanma Radio and Television (MRTV) Director General U Myint Htwe explained how MRTV and musicians benefitted from one another. He also spoke on the current status of their cooperation.

Afterwards MMA Election Commis-

sion Chairman and members informed the minister about the recent election of 2018 executive members of MMA.

The Union Minister said the ministry wants to support and assist the development of music circles. He then discussed MMA's (Central) taking the lead in drawing up a new constitution, holding discussions with representatives from all levels of the music fraternity, and continuing the coordination and discussions with MMA (Central) and MMA Election Commission as well as music circles.

The meeting was also attended by Deputy Minister U Aung Hla Tun and other officials. — MNA

(Translated by Thandar Aung)



Union Minister U Win Khaing delivers the address at the Brazil Day ceremony held in hte Brazil Ambassador's residence in Yangon. **PHOTO: MNA**

Brazil Embassy celebrates Brazil Day in Yangon

UNION Minister for Electricity and Energy U Win Khaing attended the Brazil Day ceremony held in the residence of Brazil Ambassador to Myanmar at No. 112, Pan Hlaing Housing, Yangon yesterday evening.

The ceremony commenced with the playing of the national anthems of the Federative Republic of Brazil and the Republic of the Union of Myanmar.

Next, Ambassador of the Federative Republic of Brazil Mr. Antonio Jose Maria de Souza e Silva and Union Minister U Win Khaing delivered messages of greetings.

Afterwards traditional dance of Brazil was performed and Ambassador and his wife hosted the guests with dinner.

Ambassadors and charge d'affaires from foreign embassies, United Nations resident representatives and invited guests attended the event.—MNA

> (Translated by Myat Thandar Aung)

16 NOVEMBER 2018 THE GLOBAL NEW LIGHT OF MYANMAR

WORLD 12

ASEAN, Russia upgrade ties to strategic partnership

SINGAPORE — The Association of Southeast Asian Nations (ASEAN) and Russia agreed to lift their overall ties to a strategic partnership through closer cooperation on a mutually beneficial future relations based on equality so as to promote peace, stability, prosperity and sustainable development in the region.

The two sides held their third summit on Wednesday with the attendance of Russian President Vladimir Putin.

The two sides agreed to promote peace, security, stability and prosperity in the region by further deepening of relations, mutual trust and confidence, adding that they also should enhance economic cooperation amidst growing protectionism.

They reaffirmed that international trade and investment are important drivers for sustainable economic growth and development, according to a joint statement late Wednesday.

Russia in 2017 established its mission and dispatched an ambassador to ASEAN in Jakarta.

Two-way trade between ASEAN and Russia surged by 35 percent last year and investment totaled over 25 billion US dollars.

During Wednesday's summit, the two sides also agreed to enhance cooperation in sectors including energy, agriculture, infrastructure science and technology. Established in 1967, ASEAN groups Brunei, Cambodia, Indonesia, Laos, Malaysia, Myanmar, the Philippines, Singapore, Thailand and Viet Nam.—Xinhua

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A string of natural disasters led Japanese consumers to stay away and halted factory operations. PHOTO: AFP

Japan economy shrinks in Q3 as natural disasters hit

TOKYO (Japan) — Japan's economy shrank in the three months to September, official data showed Wednesday, after a string of natural disasters hit consumer spending and exports, and China's slowing economy on prior versions, meaning the cast a shadow.

> Gross domestic product for the July-September period contracted 0.3 per cent from the previous quarter, reversing growth of 0.8 per cent in the April-June period, according to the government's Cabinet Office.

> A number of natural disasters dampened personal consumption, company investment and exports, said Katsunori Kitakura, lead strategist at Sumitomo Mitsui Trust Asset Management.

> "Natural disasters forced consumers to stay indoors and halted factory operations, which led to a slowdown in production and investment activities," he said in a commentary ahead of the data release.

> Japan was hit by several natural disasters this summer, including massive flooding in western regions due to torrential rains, a typhoon that inundated a major international airport, and an earthquake in the north that disrupted supply lines.

The temporary closure of the Kansai International Airport led to a fall in tourism and overseas shipments, Kitakura said.

Exports of goods and services were down 1.8 per cent from the April-June quarter, with private consumption slumping 0.1 percent and corporate investment in plants and equipment off 0.2 per cent.

But Kitakura anticipated a rebound in the last quarter of the year thanks to a broadly solid global economy.

"Going forward, we remain optimistic that the economy will improve. While we remain cautious on China-US trade, the global economy continues to show solid growth and exports should continue to rise," he said.

Kohei Iwahara, economist at Natixis Japan Securities, noted that one of the major drivers for the Japanese economy has been external factors like exports.

"But the trade war uncertainties have begun to increase, we see some slowdown in Asia and that is gradually hitting Japan," he told AFP.

For the rest of the year, Iwahara said he was "cautiously optimistic" as the effects of the natural disasters will fade in the final quarter.

Additionally, "the government could introduce a new fiscal stimulus package so that the economy will not fall apart and ... they can hike the consumption tax next year," he said.

Japan has announced a long-delayed sales tax hike will go into effect in October 2019 to address the nation's huge public debt, despite warnings it could hobble growth by dampening already lacklustre consumer spending.

The point-of-sale tax will rise from eight percent to 10 per cent as the ageing and heavily indebted country battles to finance snowballing social security bills - especially medical fees.

The last such move — in April 2014 — was blamed for tipping Japan into a brief recession.

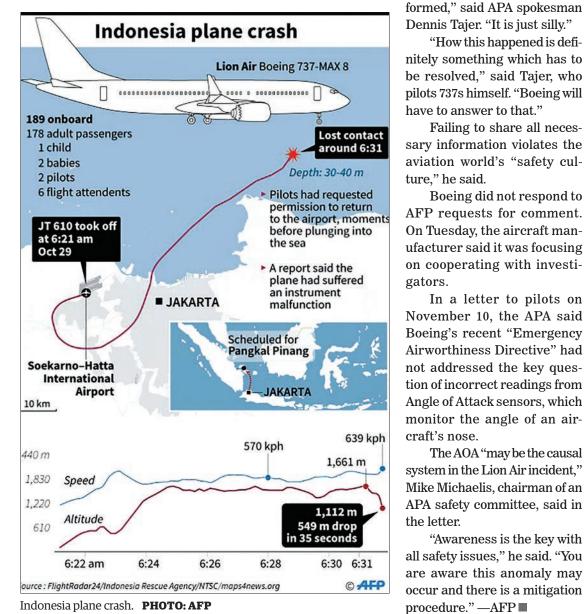
This time, Prime Minister Shinzo Abe believes he can avoid a sharp decline in consumer spending by introducing measures to cushion the blow, including plans to leave the sales tax on food unchanged.—AFP

Lion Air: a deadly crash and a whole lot of questions for Boeing

WASHINGTON(United States) — Questions swirled Wednesday about how Boeing had failed to tell airlines and pilots about changes to an anti-stall system suspected in last month's fatal crash in Indonesia.

Investigators are examining whether the system, which is meant to prevent aircraft from stalling, was tied to the crash of Lion Air Flight 610.

aboard. The mid-range jet's engines



The Boeing 737-MAX Boeing made modifications plunged into the Java Sea on to the anti-stall system without 29 October, killing all 189 people informing air carriers and their crews, according to the Allied Pilots Association.

are heavier than those installed

Waste not: South Africa makes world's first human urine brick

CAPE TOWN — One day, when nature calls, your urine could be put to better use than to be flushed down the loo.

Instead it could be a key ingredient in the construction of a greener office or new home.

In one of the latest innovations in the search for eco-friendly building materials, South African university researchers have created bricks using human urine.

The first of their kind in the world, the bio-bricks hold out the prospect of a sustainable alternative to standard clay and concrete bricks, they hope.

The prototypes have been "grown" from urine using a technique somewhat similar to the natural formation of seashells, taking six to eight days to form.

The groundbreaking invention is the brainchild of two University of Cape Town students and a lecturer.

With a grant from a government-run Water Research Council, the feasibility study was launched last year using synthetic urea. And then the study escalated to using human urine.

"I was always curious to know why don't we use urine to do the same thing," Dyllon Randall, the lecturer who supervised one of the two students, told AFP.

"The simple answer is: 'Yes, we can'."

A year later they suc-

cessfully produced their first bio-brick in a laboratory.

Using a natural process known as microbial carbonate precipitation, they mix urine, sand and bacteria to make the brick.

The research is still in its early days. So far, it requires up to 30 litres (eight US gallons) of urine to make just one brick -with the urine provided by male students at the university via a special urinal.

"We basically made the first bio-brick from real urine," Randall said.

"This process is amazing because essentially what we've done is we grew bricks at room temperature."

The first three bricks are on display. They are grey weighty blocks and indistinguishable from any standard limestone.

Mould

Suzanne Lambert, a civil engineering Masters student, marvels at how the team copied "nature's natural processes" to create a sustainable way of building.

"This process mimics the way coral is formed and the natural processes produce a cement," she said.

Conventional bricks or clay-fired bricks are manufactured in kilns, where they are dried at 1,400 degrees Celsius (2,500 degrees Fahrenheit), a process that causes large emissions of carbon dioxide. In contrast, the biobrick is "grown" through loose sand seeded with bacteria that produce an enzyme called urease.

The urease reacts with the urea in urine to produce a cement-like compound that bonds with the sand. The product can be moulded into any shape and dries at ambient temperatures -- no ovens, no greenhouse-gas emissions.

"We take something that is considered a waste stream such as urine and use it in a completely sustainable process," said Randall.

And for those concerned about the odour

Transferring Distributors Registered Pesticides

Distributor of the following pesticides, registered by BASF Myanmar Limited is transferring

from Golden Lion High Tech Agricultural Co., Ltd. To Aka Yar Zar Co., Ltd. Any objection

regarding to this transfer can notify at Co-Secretary, Myanmar Pesticide Registration Board,

of urine permeating from the walls, the good news is that the brick does not smell. The strong ammonia smell that comes from urine dissipates after a few days of drying.

Fellow researcher VukhetaMukhari said the strength of the brick can be tailored to specific building requirements but the ones they have produced so far are "as strong as common bricks you find on the market".

Bio-bricks are already manufactured in the US, but they use synthetic forms of urine.

These, though, are the first to use natural human waste.

Will the bio-brick one day supplant standard clay or concrete counterparts? The key factor is price,

but at this very early stage of development there has been no attempt to research costs.

"We are still far from actually commercialising this as a full scale system," Randall cautioned, but said there was plenty of scope

Reg. No



Mind over bladder: VukhetaMukhari, one of the developers of the world's first bio-brick based on human urine, shows off a prototype. PHOTO: AFP

for gains in efficiency.

"At the moment we need between 20 to 30 litres to make one standard brick. That does sound like a lot, but remember that about 90 per cent of urine is actually water," said

Ø

Bharat Petroleum

Randall.

"We are looking at reducing the amount of urine we are requiring to make one brick, and I'm sure within the next few years will have much better results".—AFP ■

MYANMA PORT AUTHORITY HOLIDAY NOTICE

As the wharves, warehouse and chellan Offices of Yangon Port will be closed on the 21st NOVEMBER 2018 to 22nd NOVEMBER 2018 (Tazaung Taing Public Holiday), Loading, Unloading and delivery for Goods will be received on Payment as Holiday Fees.

Bharat Petroleum Corporation Limited (A Govt. of India Enterprise)

APPOINTMENT OF MAK® LUBE DISTRIBUTOR IN MYANMAR

Bharat Petroleum Corporation limited (BPCL), a USD 42.89 billion, global fortune 500, Government of India enterprise, invites application for MAK® Lube Distributorship in Myanmar. MAK . Lubricants, the flagship brand of BPCL, is one of the fastest growing lube brands in South Asia. MAK * offers wide range of products for automotive and industrial applications and also has genuine oil tie-ups with leading OEMs

Interested business firms having experience in the field of sales and distribution of Automotive / FMCG / Industrial products with a robust financial background, can visit our website www.bharatpetroleum.in for details.

Last date of submission of application: 01.12.2018 by 1600 hrs. (IST)

BPCL reserves the right to reject any application, without assigning any reasons thereof. Corrigendum if any, would be published in the website only.

Contact 🙍 MAK

khanwalkara@bharatpetroleum.in Energising Lives, Energising Naya Bharat

CLAIM'S DAY NOTICE

M.V JACA RANDA V. 1814

Consignees of cargo carried on M.V JACA RANDA VOY. NO.1814 are hereby notified that the vessel will be arriving on 16-11-2018 and cargo will be discharged into the premises of AIPT3 where it will lie at the consignee's risk and expenses and subject to the byelaws and conditions of the Port of Yangon.

Damaged cargo will be surveyed daily from 8 am to 11:20 am and 12 noon to 4 pm to Claim's Day now declared as the third day after final discharge of cargo from the Vessel.

No claims against this vessel will be admitted after the Claims Day.

SHIPPING AGENCY DEPARTMENT **MYANMA PORT AUTHORITY AGENT FOR: M/S SEA TRANS SHIPPING** CO., LTD

Phone No: 2301185

Plant Protection Division, Bayintnaung Road, West Gyogon, Insein Township, Yangon within (14) days. **Active Ingredient Trade Name Type of Permit** Sr.

Polyram DF Metiram 70% w/w DF Full F2015-151 1 2 Standak Top Fipronil 250g/I + Provisional P2017-2335 Pyraclostrobin 25g/I + Thiophanate Methyl 225g/I FS 3 Flocoumafen 0.005% w/w Bait P2017-2769 Storm BB Provisional

CLAIM'S DAY NOTICE M.V CHERRY VESTA VOY. NO. (001N/S)

Consignees of cargo carried on M.V CHERRY VESTA VOY. NO. (001N/S) are hereby notified that the vessel will be arriving on 16-11-2018 and cargo will be discharged into the premises of M.I.P where it will lie at the consignee's risk and expenses and subject to the byelaws and conditions of the Port of Yangon.

Damaged cargo will be surveyed daily from 8 am to 11:20 am and 12 noon to 4 pm to Claim's Day now declared as the third day after final discharge of cargo from the Vessel.

No claims against this vessel will be admitted after the Claims Day.

SHIPPING AGENCY DEPARTMENT **MYANMA PORT AUTHORITY** AGENT FOR: M/S CONTINENTAL SHIPPING LINE PTE LTD

Phone No: 2301185

CLAIM'S DAY NOTICE M.V EVER ALLY VOY. NO. (0267-572W/E)

Consignees of cargo carried on M.V EVER ALLY VOY. NO. (0267-572W/E) are hereby notified that the vessel will be arriving on 16-11-2018 and cargo will be discharged into the premises of H.P.T where it will lie at the consignee's risk and expenses and subject to the byelaws and conditions of the Port of Yangon.

Damaged cargo will be surveyed daily from 8 am to 11:20 am and 12 noon to 4 pm to Claim's Day now declared as the third day after final discharge of cargo from the Vessel.

No claims against this vessel will be admitted after the Claims Day.

SHIPPING AGENCY DEPARTMENT **MYANMA PORT AUTHORITY AGENT FOR: M/S EVERGREEN SHIPPING** LINE

Phone No: 2301185

Marie Antoinette pendant fetches \$36 million, shattering estimate

GENEVA (Switzerland)—A pearl and diamond pendant owned by Marie Antoinette before she was beheaded during the French Revolution sold for \$36 million at an auction on Wednesday, shattering its pre-sale estimate of up to \$2 million. The Sotheby's auction at an ultra-luxurious hotel on the banks of Lake Geneva saw feverish bidding for a 10-piece collection owned by the ill-fated queen, featuring jewels unseen in public for two centuries.

The 10 items, which had been estimated to fetch a total of roughly \$3 million, sold for a combined sum of nearly \$43 million, Sotheby's said.

A diamond brooch pegged to go for roughly \$80,000 (70,000 euros) sold for \$1.75 million, excluding fees, one of several pieces that brought in more than 20 times its estimated worth.

But the highlight was the pendant featuring an oval diamond and drop-shaped pearl, which Sotheby's said went to an anonymous, private buyer, without giving further details.

Sotheby's also said the pendant set a new record price for a pearl jewel sold at auction.

"Marie Antoinette's pendant is simply irreplaceable and the price it fetched is about far more than the gem itself," Eddie LeVian, the chief executive of jewellers Le Vian, said in a statement.

"It captures everyone's imagination," he added.



The auction at a luxury hotel in Geneva saw feverish bidding for a 10-piece collection owned by Marie Antoinette, featuring jewels unseen in public for two centuries. **PHOTO: AFP**

"This is the ultimate proof, if it were needed, that the world's ultra high net worth individuals love rare, natural fancy coloured diamond and pearls jewels as investments, and especially those with royal provenance."

Journey through Europe

Marie Antoinette's treasures were the centrepieces of a sale featuring 100 jewels held by the Italian royal House of Bourbon-Parma. Sotheby's, which had billed the event as one of the most important royal jewellery auctions in history, said the night did not disappoint. The 100 lots earned a total of \$53.1 millioncompared to a pre-sale estimate of \$4.2 million —a performance that bested a previous record set in 1987 when Sotheby's sold a collection of jewel's once held by the House of Windsor. Marie Antoinette, who historians say was reviled by much of the French public over her lavish spending in the midst of a national financial crisis, was guillotined in Paris in October 1793 at the age of 37. After her death, her jewels followed a winding path highlighting European power dynamics in the 18th and 19th centuries.

According to accounts written by the queen's lady-in-waiting, Madame Campan, Marie Antoinette spent an entire evening in the Tuileries Palace wrapping all her diamonds, rubies and pearls in cotton and enclosing them in a wooden chest.

They were sent to Brussels, governed by her sister Archduchess Marie-Christine, before being sent on to the French queen's native Austria, and into the safe-keeping of her nephew, the emperor:—AFP

record, \$40.4 million paid in 2013

for "East Wind Over Weehawken,"

US cruise magnate's collection fetches \$323 million

NEW YORK—An astonishing collection of American 20th century art amassed by pioneering travel entrepreneur and cruise magnate Barney Ebsworth sold in New York for a combined total of \$323 million, Christie's said Wednesday. The jewel in the crown of the collection was the 1929 canvas "Chop Suey" by Edward Hopper, America's most popular modernist, which sold for nearly \$92 million on Tuesday evening.

The amount more than doubled Hopper's previous auction

per, and marked a staggering profit on ern-the \$180,000 Ebsworth paid for the work in 1973. The combined sale of the lou-entire Ebsworth collection, which took place as part of the bi-annual marquee art sales in the US financial capital, broke

> artists, Christie's said. Another leading light was Willem de Kooning's 1955 "Woman as Landscape," which sold for \$68.9 million, also setting a new record at auction for the Dutchborn abstract expressionist.

> 24 auction records for different

Ebsworth died in April at the age of 83. He made a fortune in luxury travel after serving in the Army and being stationed in France, where he was a frequent visitor to the Louvre Museum, cultivating his love of art.—AFP

Puppet master from Chinese Taipei fights to save dying art

CHINESE TAIPEI—At 87 years old, a glove puppeteer Chen Hsihuang from Chinese Taipei is the star of a new documentary which reflects his determination to revive the dying traditional craft and a late-life renaissance as a high-profile promoter of the art form.

The film, entitled "Father", tells the story of how Chen pursued the craft in the shadow of his father, the legendary puppeteer Li Tian-lu, who drew huge audiences to his shows in the 1950-1970s and appeared in several movies. Also known as "Budaixi", glove puppetry spread to Chinese Taipei in the 19th century from the southeastern Chinese province of Fujian and was mainly performed at religious and festive occasions, becoming a popular form of entertainment.

Puppeteers manoeuvre small glove dolls on ornate wooden stages to present historical and martial arts stories accompanied by live folk music. Chen said he values the traditional puppetry because it is characterised by subtle movements, with the puppeteer taking on all roles, from a young woman to an old man.

He first set up his own troupe at 23 years old but as business declined he was forced to shut shop at 40. He went on to teach the craft and continued to perform with other groups in Chinese Taipei and overseas. At the age of 79, motivated by his desire to stop the art form fading completely in the face of modern entertainment, he set up a new troupe and teaches puppetry at weekend classes as well as taking on apprentices.

"There were only two or three traditional troupes left," he told AFP. "I used my name to open a new troupe because I didn't want the traditional craft to disappear."



Chen says he values the traditional puppetry because it is characterised by subtle movements. **PHOTO: AFP**

Next generation

Chen acknowledges the challenges facing the ancient craft, saying people have less time to spare to watch the shows. But he has taken heart from the positive response to the documentary which premiered in Chinese Taipei last month, directed by local filmmaker Yang Li-chou over a period of 10 years. "I was worried that people might not understand the film, but young people did, even if they hadn't watched Budaixi before. They told me they liked it and that puppetry is awesome," says Chen.Chen's current apprentice Chen Wei-you is part of a family troupe that runs around 150 puppet shows a year.

"My grandfather actually told me to find 'a better job' but I chose this career because I am interested," the 32-year-old told AFP. "Like the master, I don't want the traditional puppetry to disappear," he said.

Dozens of students of all ages attend Chen's classes at the government-funded Puppetry Art Centre in Taipei every Saturday.

Student Hung Wei-heng, 10, said he was interested in learning puppetry because it was "very cool". "I want to learn how to operate the puppets and to make the movements," he said. Chinese Taipei authorities are trying to promote the traditional craft, organising an annual puppet festival in Yunlin county.

Puppet fan Chiang Chi-feng, 41, attended the festival last month with a sense of nostalgia.

"Now that I have kids of my own, I bring them to temple fairs and watch outdoor puppet shows. They are experiencing what I experienced in my childhood," he said.

Puppet master Chen vows to continue performing and teaching as long as he still has the strength. "I haven't completed passing on the art so I can't retire," he said. —AFP



People look at "Chop Suey" by US artist Edward Hopper, part of the Barney Ebsworth Collection, during a presentation at Christie's auction house in Paris. **PHOTO: AFP**



The planet, known for now as Barnard's Star b, is the second nearest exoplanet to Earth and orbits its host star once every 233 days. **PHOTO: AFP**

'Super-Earth' discovered orbiting Sun's nearest star

PARIS (France)—A "super-Earth" has been discovered orbiting the closest single star to our Sun, scientists said Wednesday in a breakthrough that could shine a light on Earth's nearest planetary neighbours.

Astronomers studied Barnard's Star, a red dwarf just six light years away—practically in our back garden, galactically speaking—and noticed the presence of a "frozen, dimly lit world" at least 3.2 times heavier than Earth.The planet, known for now as Barnard's Star b, is the second nearest to Earth outside the solar system and orbits its host star once every 233 days.

"It's important because it's really our nextdoor neighbour and we like to meet our neighbours in general," Ignasi Ribas, from the Institute of Space Studies of Catalonia and Spain's Institute of Space Sciences, told AFP.

Despite being relatively close to its parent star, the planet receives less than two percent of the energy Earth gets from the Sun, and the team estimates it has a surface temperature of -170 degrees Celsius (-274 Farenheit) —far too cold to support life as we know it. "It's definitely not in the habitable zone, no liquid water. If it has any water or gas this is probably in solid form so that's why we call it frozen," said Ribas.

Darkness of a Red Dwarf

In mankind's bid to map the planets in the night sky, most historic research has focused on brighter, newer stars, which produce more light and increase the chances of scientists noticing anything orbiting them. But since Barnard's Star is a red dwarf, a small and cooling star probably about twice as old as the Sun, it produces relatively little light making it hard to discern any bodies in its orbit.

To find Barnard's Star b, Ribas and the team studied more than 20 years' worth of observations from seven separate instruments. They then used a phenomenon known as the Doppler effect to track the impact of its gravitational pull on its parent star. Astronomers can use this technique to measure a planet's velocity and, therefore, mass.

"We have all worked very hard on this breakthrough," said Guillem Anglada Escude, from London's Queen Mary University, who co-authored the study published in the journal Nature. —AFP■

Nepal's first robot waiter is ready for orders

KATHMANDU—"Please enjoy your meal," says Nepal's first robot waiter, Ginger, as she delivers a plate of steaming dumplings to a table of hungry customers.

The poor Himalayan nation is better known for its soaring mountain peaks than technological prowess, but a group of self-taught young innovators are seeking to change that.

Local start-up Paaila Technology built Ginger, a 1.5 metre (five-foot) tall robot, from scratch and programmed her to understand both English and Nepali. The bilingual humanoid robot named Ginger after a common ingredient in Nepali cuisine —can even crack jokes like Apple's Siri or Amazon's Alexa. Three 'Gingers' work at Naulo restaurant in the dusty capital Kathmandu, where pot-holed roads and crumbling buildings still bear the scars of a powerful earthquake that hit more than three years ago.

"This is our testing ground. We are fine tuning it with responses from our customers," Binay Raut, CEO of the company, told AFP. The team of 25 young engineers—Raut is the oldest at 27 —worked for months to build the robot, welding and moulding the prototype by hand in their tiny three-roomed office.

What Nepal lacks in tech infrastructure the engineers made up for in ingenuity—Ginger's sleek-looking plastic body was painted in a neighbourhood car workshop.

Naulo opened its doors four months ago and their robot waiters have been a big draw, attracting curious customers of all ages.

Ginger, who is able to sense movement and obstacles, deftly navigates the crowded restaurant carrying trays laden with food.

Customers order via a touch screen menu fitted into the tables, and Ginger is called to the kitchen when dishes are ready."It was a completely new experience," said 73-year-old Shalikram Sharma, who was born before televisions were available in Nepal.

Ginger has become quite a selfie-star and is often distracted from her work by children keen to get a photo with the sleek robot.—AFP ■



This humanoid robot named Ginger is one of three locally-built machines to serve customers at a restaurant in the capital of impoverished Nepal. **PHOTO: AFP**

AI brings both benefits and challenges to banking: Fed senior official

WASHINGTON—The application of artificial intelligence (AI) tools in banking industry could bring benefits and challenges to consumers, bankers and regulators, U.S. Federal Reserve (Fed) Governor Lael Brainard said on Tuesday.

Speaking at a public event in the state of Pennsylvania, Brainard noted that AI could bring a more inclusive way in credit-scoring, which may result in lower prices and faster process for the consumers. "Banks and other financial service providers are using AI to develop credit-scoring models that take into account factors beyond the usual metrics," said Brainard.

"There is substantial inter-

est in the potential for those new models to allow more consumers on the margins of the current credit system to improve their credit standing, at potentially lower cost," he said.

"AI also has the potential to allow creditors to more accurately model and price risk, and to bring greater speed to decisions," said Brainard.However, Brainard warned that AI approaches are not free of bias for consumers because the algorithms and models reflect the goals and perspectives of the developers.

"As a result, AI tools can reflect or 'learn' the biases of the society in which they were created," Brainard said.

For banking firms that em-

ploy AI as their new tools, Brain expected that their back-office operations, such as advanced models for capital optimization, model risk management, stress testing, and market impact analysis would benefit from the new AI tools. According to Brainard, AI approaches could also be applied to trading and investment strategies. Moreover, AI advancements could also take off some risks for the banks and financial service providers.

Brainard also highlighted some challenges that AI may bring to the fraud prevention and cybersecurity, especially when the AI power falls into the wrong hands."The wide availability of AI's building blocks means that phishers and fraudsters have access to best-in-class technologies to build AI tools that are powerful and adaptable," said Brainard.

While most phishing attacks against consumers lacked personalization likely due to the high cost, Brainard warned that AI tools could be used to make internet fraud and phishing highly personalized at a lower cost in the future.

Facing such new challenges, Brainard said that supervised institutions will also need tools that are just as powerful and adaptable as the threats that they are designed to face.

"It may be that AI is the best tool to fight AI," said Brainard.

Brainard also noted that

many AI tools and models may deliver analysis, conclusions, or decisions that are hard to explain.

"Depending on what algorithms are used, it is possible that no one, including the algorithm's creators, can easily explain why the model generated the results that it did," said Brainard.

Speaking of Fed's regulatory view on the AI approaches, Brainard said that AI presents regulators with a responsibility to act with thoughtfulness and perspective in carrying out their mandates.

"The AI tool should be subject to appropriate controls," said Brainard, "including how the AI tool is used in practice and not just how it is built."—Xinhua

SPORT 16



Deputy Minister Dr Mya Lay Sein presents championship trophy to Rakhine women's cricket team. **PHOTO: SPED**

Kayah, Rakhine secure championship trophies in Inter Region and State **Cricket Tournament 2018**

KAYAH secured a championship trophy winning Yangon in the final match of the Men's Inter Region and State Cricket Tournament 2018 in Wunna Theikdi's Training Ground-3 in Nay Pyi Taw on 14 November.

Similarly, Rakhine State grasped a championship trophy winning Yangon in the final match of the Women's Inter Region and State Cricket Tournament 2018 in the same venue on the same day.

Among the spectators were Deputy Minister Dr Mya Lay Sein of the Ministry of Health and Sports, Vice-Chairperson of Myanmar Olympic Committee and the officials, U Myo Hlaing, Director-General of Sports and Physical Education Department and the officials, U Than Win, President of Myanmar Cricket Federation and the officials, invited guests and the cricket enthusiasts.

The prize presentation

ceremony came after the respective final events.

U Myo Hlaing, Director-General of Sports and Physical Education Department presented prizes to Kayah State men's cricket team while Dr Mya Lay Sein awarded prizes to Rakhine State women's cricket team.

The second and third prizes were also presented to the winning teams by the officials concerned. -Htut Htut (Twantay) 🔳

Nay Thway Oo clinches second at International **Billiards Championship final**

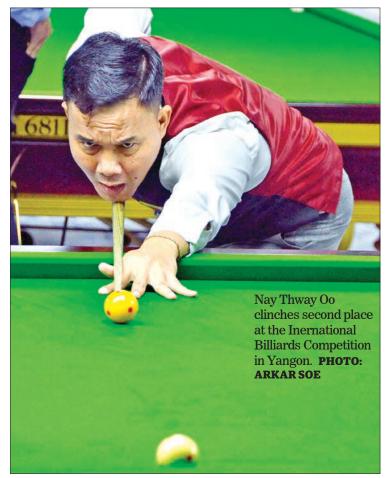
NAY THWAY OO clinched second at International Billiards and Snooker Championship 2018 in Yangon after he was beaten 6-2 by India's Pankaj Advani in the final of the championship.

Earlier in the semifinal, Nay Thway had defeated multiple world champion Mike Russell 5-2 and Pankaj Advani knocked out former world champion David Causier 5-0.

Myanmar Billiards & Snooker Federation (MBSF) hosted the World Billiards and Snooker

Championship 2018 at the Grand Mercure Hotel in Yangon.

Myanmar hosted the championship for the first time and many renowned players from different countries were on the list of the billiards event. A total of 9 players from Myanmar are also participating in the Long Point event and its final match will be taking place on 18 November. Snooker events will be held till 19 November.—Htin Paw Win (Kamagyut) \blacksquare (Translated by Win Ko Ko Aung)



Myanmar head coach believes Myanmar must win Laos

MYANMAR head coach Mr Antoine Hey said he believed Myanmar must see a further win over Laos in the away match of AFF Suzuki Cup 2018. Myanmar got a bright start to its debut home match against Cambodia 4-1 at Mandalar Thiri Stadium on 12 November.

"We are participating in AFF Suzuki Cup 2018 through an ambitious spirit. We are now placing attention to the away match against Laos. We ought not to underestimate the play

form of the opponents Laos in spite of the latter facing two defeats, but they have home advantages. They are hungry for home victory," said Mr Antoine Hey.

We must try not to be careless in the match against Laos. This match is of great importance for us.

If we win this match, our hope of reaching the seminal will brighten. We need to obtain full points before meeting with two powerhouse teams.

Even if we win over Laos, we will have to mend our weak points as part of preparation for next games.

We will try to start a game with best form, said Mr Antoine Hey. Myanmar left for Laos by air on 13 November and has started training starting from 14 November.

Myanmar will meet Laos for the second time. In the first time, Myanmar won over Laos with 4-2 in 1996.—Htut Htut (Twantay)

Kayah to fight Mandalay for championship trophy in final of MFF 100 PLUS U-14 Cup

KAYAH will fight Mandalay for a championship trophy in the final of MFF 100 PLUS U-14 Cup on the turf of National Football Academy in Yangon on 17 November.

MFF 100 PLUS U-14 Cup was jointly organized by Myanmar Football Federation (MFF) and 100 Plus.

The MFF 100 PLUS U-14 Cup commenced on November 3. Two matches per day were held. Four teams advanced to the quarter finals.

Ayeyawady, Shan (East), Kayin, Kayah, Rakhine, Shan (South), Mandalay and Bago advanced to the knock-out stage respectively.

Out of them, Shan (East), Kayah, Shan (South) and Mandalay moved forward to the semifinals. Kayah reached the final stage after winning Shan (East) in the seminal final with 2-1. Mandalav reached the final stage after winning over Shan (South) in the semifinal with 5-1. —Htut Htut (Twantay)