



TAMKANG NEWS

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Signing ROTC Program with the Ministry of National Defense

General Tze-Chun Pu stated that TKU is the 128th school that signs to sign the contract with the Ministry of National Defense. The ROTC program provides excellent military trainings, with a view to cultivate talents and help them to foster self-discipline and responsibility and to build stress resistance. Lieutenant General Yen-Pu Hsu said, "The ROTC program with TKU facilitates the connection between study and career, hoping that more outstanding young talents can join the army and strengthen our national defense." Those who were invited to participate in the ceremony included the Military Strategy Advisor of the Office of the President, General Tze-Chun Pu, Lieutenant General Yen-Pu Hsu of the 6th Army Command, Director of Human Resources, Ministry of National Defense, Major General Min-Hua

Tan, Director of Political Warfare Office of the 6th Army Command, Major General Min-Te Hsieh, Commander of Guan Du Military Base, Major General Rung-Chieh Lai, Commander of the Maritime Investigation of the Navy, Rear Admiral Shih-Shin Chang, Major General of Air Operation Center Pei-Lun Dong, Commander of Armed Forces Reserve Command, Northern District, Major General Zheng-Ting Lin. TKU students from freshmen to juniors, or, for some 5-year B.A. programs, from sophomores to seniors, who join in the ROTC program would receive a scholarship to cover their tuition fees, 5000 NTD each semester for textbooks and stationery, and 12000 NTD each month for living expenses. Before graduating from college, students have to receive both basic military training and training during summer and

winter breaks and finish military courses for college students and military education before serving as officers in the army. Fulfilling these requirements, college graduates would serve as officers in the army for five years. (Chiou-Rung Deng)



(Photo contributed by Tamkang Times)

To Carry out TKU's Higher Education Sprout Project, Davinci Musical Creative Space Cultivates Makers

The Maker Movement is one of the contemporary trends and becomes an important aspect of future innovations. Part of TKU's Higher Education Sprout Project is "Connecting Industry, Academic Research, and Innovative Entrepreneurship." To facilitate "Maker's space and sustainable innovation," TKU has installed Davinci Musical Creative Space, encouraging students to be a creative maker and to have hands-on practice. Also, Co-Working Space offers advice and information on entrepreneurship. Chair of the Office of Research and Development, Bo-Cheng Wang pointed out that courses would be opened in the future to provide teachers with training in the field of STEAM, to integrate human technology and cultivation of art, and to help teachers and students develop their creativity in everyday life.

equipped with diverse tools and electronic test parts. Software to stimulate thinking and boost creativity is also installed, so that students can put theory into creative practice. Bo-Cheng Wang explained that being part of "Space for Making Innovative Artificial Intelligent Robots in the Project of Satellite Base," TKU's Maker Space project has been funded by Southern Taiwan Science Park Bureau, Minister of Science, the only one "satellite base" in northern Taiwan. The Office of Research and Development would cooperate with TKU Cham Pion Incubation Center and Intelligent Automation and Robotics Center to plan workshops on cultivation of basic makers and creation of artificial robots, setting up a forum for makers and designating competitions. In April, a series of workshops had been held, such as "Cultivation of Basic Makers," "Introduction to Arduino," "Lego," and "Lego Wheeled Robots." Li-Te Chen, Contract Manager of the Section of Industry-

Academic Collaboration, the Office of Research and Development, further pointed out that competitions would take place in June and July, and through competitions, participants would apply theory to hands-on practice. All faculty and students would be invited to join and more information would come up soon. (Chiou-Rung Deng)

Schedule of Workshops and Competitions	
In April	"Cultivation of Basic Makers": Workshop for night lights technology Introduction to Rapid Prototyping Workshop for Smart Plug and Plant
In May	Course on 3D Printing and Designing "Introduction to Arduino"
In June	Pyro-electric Infrared Detector "Lego" Simple and Powered Machines
In July	"Lego Wheeled Robots" My First Robot "Competitions" Creative Soapbox Race University World Robot Olympiad Creative Hackathon Race

(Photo contributed by Tamkang Times)

Tamkang Researchers Do Great in Academic Performance

Office of Research and Development released the latest statistics indicating there were 71 researchers who achieved excellent academic performance for 105th academic year and were awarded. There were nine professors who had received over 5-million-dollar research budgets respectively, 6 professors subsidized with 3 to 5-million-dollars, and 43 professors with 1 to 3 million dollars. Among whom, Professor Liu Jin-yuan, Director of Ocean and Underwater Technology Research, expressed his hope, "This industry-

9 researchers	over 5 million NT dollars
6 researchers	3 ~ 5 million NT dollars
43 researchers	1 ~ 3 million NT dollars
13 researchers	2.5 million NT dollars accumulated in five years

(Photo contributed by Tamkang Times)

university collaboration facilitates developments and fulfills Tamkang's social responsibility. The budget will be spent on oceanic sciences, underwater museums and the relevant fields." (Yue-Feng Wu)



(Photo contributed by Tamkang Times)

Tamkang International and Mainland Student Guidance Section held Chinese New Year Party in Hotel Regalees on January 4th. President Flora Chia-I Chang and the vice presidents, together with 350 overseas students, attended the party. The Chinese New Year atmosphere elevated the young spirits. It was in synergetic concert that people of various ethnic-

The Chinese New Year Party Elevates Overseas Young Spirits

ities and nationalities expressed their New Year resolution for 2018. In the speech delivered in the party, President Chang expressed her gratitude, "Assistance from Overseas Community Affairs Council, Ministry of Foreign Affairs and Ministry of Education nourishes Tamkang overseas students and broadens Tamkang's international visibility. Tamkang has 2,054 overseas students from 72 countries. God bless you all in the Year of the Dog." (Yue-Feng Wu)



TKU Worldwide Federation of Alumni Associations: Celebrated Founder's Birthday at 2018 Biennial Meeting

The 2018 Biennial Meeting of the TKU Worldwide Federation of Alumni Associations (TKUWFAA) had been held with great excitement for three consecutive days. The meeting was opened at the Denwell Dazhi Restaurant on the afternoon of March 2nd, and Dr. Lawrence C. H. Lin, president of the TKU Department and Institute Alumni Association Headquarters, indicated, "The main themes of this meeting are memories of the 68-year establishment, alumni of TKU, and friendships around the globe. The alumni of TKU have come back from different parts of the world to celebrate the Founder's 90th birthday. It happens that the Fifth Wave of TKU is launched. Today we inherit the past, and tomorrow we will usher in the future." The climax of the dinner party was set off by the arrival of Founder Clement C. P. Chang and Madam Chang, as numerous returned alumni joyfully extended warm greetings to the couple. Founder Chang happily addressed the meeting and expressed his deep concern about the development of TKU, calling attention to the educational ideas of globalization, informatization, and futurization.

The afternoon welcome tea party was held for the travel-stained alumni, who came from North

America, Canada, Indonesia, Malaysia etc. to attend the grand meeting. One after another, the alumni picked up picture boards of Hsu Shou-Chlien International Conference Center, Shao-mo Memorial Gymnasium, Palace-Lantern Road etc. to take group photos in front of a sign saying "2018 Biennial Meeting of the TKU Worldwide Federation of Alumni Associations". The welcome dinner party, also a birthday party, began at 6:30 p.m. 100 tables were set, and about 1,000 alumni and TKU faculty attended the party and celebrated Founder Chang's 90th birthday. Drumbeats started the evening party, which was co-hosted by Yvette Tsui, an alumna from the Department of French Language, and Wen-chih Huang, secretary of the President's Office. On their arrival, the Founder and Madam Chang became the focus of the party. The gifts included two precious vases and a ruyi-shaped gold article, all of which symbolize well-being and longevity, and a special issue of the Biennial Meeting Transcendence. In addition, two exquisite figurines resembling Founder Chang and Madam Chang were posed beside a cake in the mold of Hsu Shou-Chlien International Conference Center, a symbolic building of the Fifth Wave. When

everybody joined the choir and sang the Happy Birthday song, the scene was warm and touching. When President Flora Chang delivered her speech, she remarked perceptually, "Alumni are the most valuable assets of Tamkang University." She pointed out that once a geomancer told her grandfather that the Five-Tiger Hill was a precious piece of land producing great wealth. At that time the Founder was puzzled about how running a school could create wealth. Now he realizes that the "wealth" the Five-Tiger Hill produces is "talent". Facing the impact of low fertility rate in Taiwan, TKU needs especially to carry out industry-university collaboration and provide scholarships, expecting the seniors to render guidance and assistance to the younger generations and make joint efforts to create more glorious achievements. (Luo-wan Hsu)



(Photo contributed by Tamkang Times)

What Does Tamkang Look Like from Global Perspectives?

The four campuses in Tamsui, Taipei, Lanyang and Cyber distinguish Tamkang. They weave a net of intelligence and diversity. Tamkang builds up academic partnerships with 205 institutes and universities all around 36 countries on the five continents, dual diploma projects with 21 universities, 2,054 overseas students from 75 countries and the Junior Year Abroad Project all for the purpose of globalization. Besides, the colleges in Tamkang roll out various reformatory projects in connecting academia and industries. Tamkang has invested resources in taking a cutting edge lead. Tamkang takes the lead in the Industries-Favored Graduates. Cheers, a magazine, reveals its latest statistics for Tamkang saying, "First ranking among private universities, and 9th place overall nation-wide." According to Cheers, Tamkang stands out by: Expertise, Pliability, Pressure-resistance, Creativity, Teamwork, Trouble-shooting, Interdisciplinary, Information Technology and Languages.

According to the 2018 statistics by Webometrics Ranking of World Universities (WRWU), Tamkang ranks 552nd globally, 91st in Asia, 8th overall in Taiwan and 1st among private universities in Taiwan. The statistics by Quacquarelli Symonds (QS) in 2017 indicates that Tamkang ranks in the 261st -270th bracket in Asia amongst 35 other universities in Taiwan. Tamkang has moved forward a lot. Globalization has been

laid in the foundation of Tamkang ever since its founding: international academic exchanges, overseas students, academic partnership abroad and courses carried out in English. For instance, Department of Diplomacy and International Relations founded in 104th academic year attracts numerous overseas students. Another example is the number of overseas students recruited in 106th academic year, 2,054 exchange students, the third highest nation-wide. (Yue-Feng Wu)

Tamkang's Eight Top Performance, Cheers 2018:	Most-Favored by Industries, Cheers 2018:
No. 1 Expertise	No. 1 National Cheng Kung University
No. 1 Trouble Shooting	No. 2 National Taiwan University
No. 1 Pliability	No. 3 National Chiao Tung University
No. 1 Creativity	No. 4 National Tsing Hua University
No. 1 Pressure Resistance	No. 5 National Taiwan University of Science and Technology
No. 1 Teamwork	No. 6 National Taipei University of Technology
No. 1 Interdisciplinary	No. 7 National Sun Yat-sen University
No.1 Information Technology	No. 8 National Chengchi University
No.2 Globalization and Language	No. 9 Tamkang University
	No. 10 National Central University

(Photo contributed by Tamkang Times)

Cyber Security Workshop on New Trend 2018: Bitcoin and Blockchain Applications

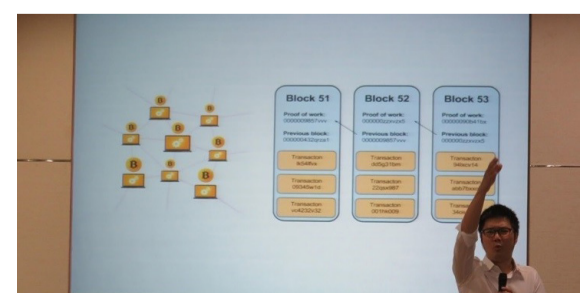
The Office of Information Service held a workshop on cyber security on December 27, 2017 and supervisors of all the administration offices joined in the workshop. The General Manager of MaicoIn, Nick Chang, was invited for a speech on "Bitcoin and Blockchain Applications" and the Director of the Network Management Section, OIS, Min-Ching Shao, gave a talk on "Cyber Security on Campus." In her opening remarks, President Flora Chia-I Chang stated that the blockchain notion has been growing, and bitcoin is the product of applying this notion. As more and more organizations have been applying the idea of a blockchain, TKU could take into consideration whether we should apply blockchain technology to TKU Cloud and open some related courses.

In his speech, Nick Chang elaborated two

significant elements underlying the idea of a blockchain, "distributed data management architecture" and "network consensus algorithm." For instance, Bitcoin applies the basic element of blockchain technology, with a set of private key passwords to store personal information and the amount of Bitcoin. Furthermore, the advantage of the "distributed" data is that since many users share the data, all the users have to consent to the update of data so as to prevent hackers from tampering data. Also, databases are required to establish and apply blockchains.

In the second speech, Min-Ching Shao talked about the significance of cyber security on campus and especially the trend in 2018. President Chang shared her experience that she once received a phishing email, but knowledge

acquired from cyber security workshops kept her alert and allowed her to smell something fishy. Shao pointed out, according to statistics, that some faculty suffered from phishing scams and faculty and staff members are advised to join workshops on this issue to protect themselves from being scammed. (Chiou-Rung Deng)



(Photo contributed by Tamkang Times)



Cheers Survey: TKU Remains No. 1

The *Cheers* magazine recently announced the 22nd survey of Enterprises' Most Favored College Students. National Cheng Kung University wins a championship for Overall Rankings. TKU takes 9th place for National Rankings, with the high rating for its balanced achievements, and is ranked No. 1 among private universities for the 21st time. TKU also shows superb results in the rating of Nine Competence Indicators of Private Universities, ranking first for eight indicators—expertise, strong motivation for learning or high adaptability, stress resistance and high stability, creativity and innovation, interpersonal communication and teamwork, problem-solving skills and flexibility, cross-disciplinary study and comprehensive faculty, and digital skills—and second for global perspectives and foreign language skills. This survey was conducted in 2017, from November 20 until December 15, by issuing questionnaires to the top 2,000 enterprises' human resources directors ranked by the *CommonWealth* magazine in 2017.

In total 2,038 copies were delivered and 885 valid copies were collected, with a 43.42% response rate. The findings reveal that in 2017 Taiwan registered 2.6% economic growth and the Taiwan stock market hit a new record high in 28 years. The economic recovery is reflected in recruitment plans. To illustrate, 79.2% of enterprises indicate that they will recruit fresh graduates to fill general job vacancies; the percentage is higher than that of the previous two years, respectively. Further, the basic wage has been raised, and President Tsai Ing-wen encourages enterprises to give pay raises. Consequently, in the monthly salary ranges that enterprises will give to fresh graduates, the proportion of below NTD 30,000 drops while the bracket between NTD 30,001 and 35,000 rises to 33.2%, compared to the previous year. However, the talent deficit, the gap between education and job performance, and the manipulation of industrial cultures affect talent acquisition. Over 60% enterprises declare that they will “lower

the standards for selecting talent and train novices after recruitment.” Besides education level, enterprises especially expect fresh graduates to have cultivated problem-solving, interpersonal communication, and foreign language skills in college. The experience of internship is also beneficial to fresh graduates seeking a job, and it is essential that they should have a sense of propriety and be good at repartee. They should refrain from being strongly self-opinionated, or they might give their employers stress. (Luo-Wan Hsu)

**TKU Ranks First among Private Universities for the 21st Time
Nine Competence Indicators of TKU in the *Cheers* Survey**

- 1st Expertise
- 1st Problem-solving Skills and Flexibility
- 1st Strong Motivation for Learning or High Adaptability
- 1st Creativity and Innovation
- 1st Stress Resistance and High Stability
- 1st Interpersonal Communication and Teamwork
- 1st Cross-disciplinary Study and Comprehensive Faculty
- 1st Digital Skills
- 2nd Global Perspectives and Foreign Language Skills

(Photo contributed by *Tamkang Times*)

Tamkang Is Documented in All-Around Fashion

The Tamkang History Section in Chueh Sheng Memorial Library, after four months of renovation, revealed a brand new atmosphere and documented the true Tamkang. The Office of the Secretariat held Tamkang Documented, an opening ceremony, and President Flora Chia-I Chang, together with vice presidents, reviewed the 67-year Tamkang history on January 2nd. In the opening speech, President Chang expressed, “This is our 68th year. This is the beginning of the fifth wave. This renovation finely documents Tamkang’s development. The puzzles were put together. The whole picture was developed.”

Besides, He Qi-dong, the Secretary General, said in gratitude, “On the shoulders of the giant, we see beyond the boundaries. Founder Clement C. P. Chang’s vision grounds well in Tamkang, on which we grow.” Assistant Professor Lin Jun-xian, of the Information and Communication Department, in charge of the digital voice tour guide, elaborated the challenges of documentation, “It takes efforts in the sorting and categorization of documentary and photos. The stories and anecdotes behind them are profound. Every small piece of memory really touches the bottom of my mind.” (Yu-Feng Wu)



(Photo contributed by *Tamkang Times*)

Flip of TQM: Starting with the Heart to Cultivate Talents in the Age of AI

Total Quality Management (TQM) Workshop 2018 was held in Student Activity Center on March 21. The topic for TQM wWorkshop this year, which attracted about 600 people to join, was “Starting with your heart, Becoming a talent in the AI workplace.” President Flora Chia-I Chang stated that this topic was a response to the question of how the changing education environment centers on students in the age of Artificial Intelligence (AI), hoping this workshop can innovate our teaching and administration service. In her introduction to the speaker, Wenhua Wang, President Chang mentioned that five years ago, TKU invited Mr. Wang for a speech on “touching service” and afterwards, the book, entitled “TQM in TKU: Touching Service,” a collection of related ideas, was published. With this workshop on innovative teaching, President Chang encouraged all the faculty and staff to apply new ideas to teaching. Meanwhile, the result of TKU’s ninth Quality Control Circle (QCC) Competition was announced in the workshop. The first prize was awarded to Langyang Campus’s Three All Circle, the second prize to Finance Office’s Accounting Efficiency Circle, and the third prize to General Affairs Office’s Emperor Circle. The winner of the 30th Taiwan Continuous Improvement Award, Three All Circle, was dedicated to President Chang,

and its leader, Mr. Chang-da Chou, shared his experience of leading Three All Circle to winning Silver Tower Award in Zih-Chiang Group in the national QCC competition. The workshop invited Dream School lecturer Wenhua Wang to give a speech on “Cultivating New Abilities in the Age of AI.” With nine clips of film, Mr. Wang flipped public speech and guided the audience to think and speak out. After every three clips, three listeners were invited to summarize the main points. To encourage volunteers, Mr. Wang provided copies of his new book, *The Vacant Royal Position*. The first three included a clip from the movie on Steve Jobs, and the sharing respectively of 3-star chef Joel Robuchon and Ang Lee on his film, *Billy Lynn’s Long Halftime Walk*. Our staff and faculty focused on the theme “Don’t be afraid of change.” (Chiou-Rung Deng)



(Photo contributed by *Tamkang Times*)

Tamkang Service Teams Blaze New Trails

Tamkang Service Teams, composed of 29 teams and 686 members, have provided services all around Taiwan. They have helped and served around 2,042 people. A flag presentation ceremony in Student Activity Center on January 23rd marked the beginning of their services. Penghu Alumni Association went back to their hometown and shared from January 30th to February 1st. Chen Yong-xun, a Chinese Department student and team leader, expressed his original intention, saying, “I have left Penghu since my graduation of senior high school graduation. I have learned a lot in Taiwan. I hope to contribute to my hometown’s education.” Furthermore, Tamkang Service Teams also went to Thailand from January 27th to February 10th. Their jobs were to develop friendship and introduce Tamkang, Taiwan and Chinese culture to the locals. Qiu Yu-zhi, an Electrical Engineering Department student and team leader, said, “The locals are descendants of Chinese immigrants. They somewhat lost everything of Chinese culture, except their family names. Still, they are enthusiastic in learning the Chinese language.” (Yue-Feng Wu)



Rewards for Diverse Research Projects over NTD14 Million

To raise the standard of research and to motivate faculty to engage themselves in research and industry-university collaboration, as well as in creation and performance, the Office of Human Resources published on January 8th a list of the full-time faculty whose research had been rewarded in such categories as “academic journal articles,” “innovative works, exhibitions and performances,” “academic books,” “authorization or transfer of authorization of research findings,” “industry-university cooperative research plans,” and “academic journal articles or academic books quoted frequently.” The awards and grants, in total over NTD14 million, were conferred to 227 academics, pursuant to the “TKU Regulations on Research Grants for Full-time Faculty.”

In the category of “academic journal articles,” a total of 369 pieces were approved for rewards,

27 of which were published in collaboration with international scholars and thus won additional awards. 291 pieces were published in SSCI or SCI, one in A&HCI, 76 in EI, THCI Core and TSSCI, and one was published in our college journal. In “innovative works, exhibitions and performances,” three performances were at a national level, and two were at city or county government level. Four pieces were rewarded for the authorization or transfer of authorization of research findings. 32 pieces received the grants of “industry-university cooperative research plans,” and another two pieces were subsidized in the category of “academic journal articles or academic books quoted frequently.” The information of full-time faculty’s research rewarded in the 106th academic year is carried on the right chart. The roll of faculty receiving

awards in the respective categories can be accessed on the website of the Office of Human Resources. (Luo-Wan Hsu)



(Photo contributed by *Tamkang Times*)

U9 Consortium Course-Taking System and Honors Program

Impressively Wide Variety—over 500 Courses by U9 Consortium

The U9 Consortium course-taking system has been open since January 10th for inquiries about the intercollegiate courses offered in the second semester of the 106th academic year. Registration for these courses ran from January 10th to the 31st. Han-kuei Chen, chief of the Registration Section, indicates that the 12 member universities of the consortium have their own specialization, characteristic style, and distinctive features. The intercollegiate enrollment system allows students to choose from a broader scope of subjects and to learn from a more diversified program. The purpose of the U9 Consortium is to “carry out multi-university cooperation and share resources”, and its membership has increased from the initial 9 to 12 universities. The Center for General Education and Core Curriculum at Tamkang University provides three feature courses—Performing Arts under Assistant Professor Hui-Yun Chen, Appreciation and Analysis of Chinese Historic Artifacts under Professor Huang Jiann-chen, and Futures Studies in Society under Associate Professor Jui-kuei Chen—for intercollegiate enrollment. Han-kuei Chen adds that credits earned from these courses are included in the maximum—25 credits per semester. To take a general education course, students should consult the center about the subject area the course belongs to. To take a professional course, students may request their respective departments to recognize it as a department course. As for courses that are recognized neither by the center nor by any department,

they shall be counted as free choice elective credits.

Enrollment for Honors Program on February 1st

In the second semester of the 106th academic year, students qualified to take the Honors Program, whatever year of college they are in, initially registered online for the program from February 1st at 12:30 a.m. until the next day at 11:30 a.m. The relevant information can be accessed on the Honors Program webpage. The Honors Program provides courses with three-circle features. The Advanced Professional Courses, based on the specialization and distinctive features of each college, are intended for seminars or investigations conducted in small-sized classes to foster competence for professional innovation and independent research. Beginning in the sophomore year, four of these courses must be fulfilled, but students may take only one each semester. The General Education Courses aim to broaden students’ global vision and to develop their ability to look into the status quo and pay attention to society and people. Starting in the freshman year, three of these courses must be completed, but students may take only one each semester. The Extracurricular Activities consist of lectures on fostering creativity and skills of communication, as well as leadership and the capacity to provide a service. The Extracurricular Activities commence in the freshman year, and students must complete two courses, taking only one each semester. (Luo-Wan Hsu)

100 Enterprises Went Recruiting at TKU on March 28th



(Photo contributed by *Tamkang Times*)

Companies Winning over Excellent International Students at TKU

In March 2018, the International and Mainland Students Guidance Section held a series of employment seminars to help the international and mainland students make plans for their career development. Robert Lee, the project deputy manager of the Lion Travel Service Co. Ltd., was invited to give a lecture on March 21st. In addition to the corporate culture and globalization of management in the

Lion Travel Services, Mr. Lee provided the information about corporate internship, training programs, and overseas postings. There were 50 students attending the interesting seminar. Dr. Pei-Wa Chi Lee, dean of the Office of International and Cross-Strait Affairs, indicated that this series of events provides employment information for future reference, which is beneficial to the international students in career planning. For example, Ying-Mun Lai, a Malaysian freshman in the Department of History, wishes to work in the tourist or culture industry to broaden her horizon before she returns home to seek a teaching job. The Office of International and Cross-Strait Affairs also offered a brand lecture on “Thinking Power Forging Competitiveness” at Tamkang University Communication Hall on March 28th. (Luo-Wan Hsu)

Guo Breaks the World Record in Weightlifting

Do you still remember Guo Xing-chun, the world recorder breaker and golden medalist of weightlifting in Universiade last summer? Tamkang invited Guo and her coach, Lin Jing-neng, to leave their hand molds in Shao-mo Memorial Gymnasium for memorializing their efforts devoted to Taiwan’s sports. In the speech delivered in the welcome party, President Flora Chia-I Chang expressed her amazement, “Taiwan, a small semi-tropical island, still develops world class performance.” (Wu Yue-Feng)



(Photo contributed by *Tamkang Times*)