



Philippine

CHEMICAL NEWS

The Official Newsletter of the Philippine Federation of Chemistry Societies

April 2004

2004

19th Philippine Chemistry Congress



Barcelo-Sarabia Convention Center
Iloilo City, 24–26 May 2004

**“Tungo sa Maunlad na
Kabuhayan at Malinis na
Kapaligiran”**



19th PCC in Iloilo City

Finally, the much-awaited 19th Philippine Chemistry Congress will now push through this coming May 24-26 at the Barcelo-Sarabia Manor Hotel & Convention Center in one of Panay's historic places - Iloilo City. Everyone in the chemistry community is so excited on this meeting, for it has been more than a year since the last congress was held.

The long interval between the previous and the upcoming conferences was a result of the postponement due to the SARS outbreak that hit a number of countries at the early part of 2003. Though everything was set and ready the organizers, ICP-National (national organizing committee) and ICP-Panay Chapters (local organizing committee) being chaired by Dr. Fabian Dayrit and Mr. Mario Jiz, respectively, arrived at a consensus of moving the assembly to this year to protect the participants. Hand in hand, the organizers are working hard to give the participants clear information on the reconfirmation of joining in and whether new papers are to be presented or revisions are

necessary. Each individual in the committees devoted the same effort as they did after the delay. It can be recalled that after it was agreed upon that the assembly be called off, announcements were disseminated in the community regarding all the essential guidelines they need to know on the remittal, retaining or transferring of registration fees, and withdrawal of entries. The Chair of the 19th PCC Scientific Papers Committee, Dr. Evangeline C. Santiago, sent letters and author information sheets together with the submitted abstracts by electronic mails to the expected participants.

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With the same theme, "*Tungo sa Maunlad na Kabuhayan at Malinis na Kapaligiran*" (Industrial Development with Clean Environment), the chemists in the academe, industry and government will soon gather to discuss the recent developments and trends in the different fields of chemistry particularly on topics pertaining to industries and environment. The expected number of local and foreign guests to partake in the forthcoming prestigious event is approximately more than 500.

In the three-day event they will be enjoined to attend plenary lectures and oral paper presentations; view poster, instrument and book exhibits and participate in forums. The five plenary speakers are Dr. Ester A. Garcia, former Chair of the Commission on Higher Education, who will give a lecture on "State of Science Education;" Dr. Victor Gavino, University of Montreal, Canada, on "Biochemistry of Fish Oils;" Dr. Arnold Guloy, University of Houston, USA, on "Inorganic Materials;" Dr. Thomas Knepper, ESWE-Institute for Water Research and Water Technology, Germany, on "Environmental Analysis using Mass Spectrometry" and Dr.

John Bennet, International Rice Research Institute, Philippines, on "Rice Genomics." Furthermore, special sessions on essential subjects are also lined up. A forum on laboratory accreditation as an important requirement for the assurance of quality laboratory systems will be led by Dr. Concepcion Lizada (DA) and Ms. Ella Deocadiz (EMB-DENR). A meeting with the PRC Board of Chemistry will take place in relation to the appointment of the new members of examiners. Likewise, discussion among the chairs of chemistry departments will be held to discuss issues on CHED as well as chemistry textbooks. Lastly, a presentation on the role of chemistry in industries will be delivered by Mr. Jacinto Macaraig, the president of the Samahan sa Pilipinas ng mga Industriyang Kimika. The giving of the awards for the 2004 Outstanding Chemists in Research, Industry and Academe which was chaired by Dr. Lilian J. Sison (UST) will likewise take place during the event.

The activities and lectures lined up for the meeting will surely interest you. For more information, you may visit the ICP website for updates or you may contact ICP via email: info@icp.org.ph.

The Philippine Chemical News is now open for sponsors and/or advertisements.

Advertisement rates

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The PCN invites contributions of news, announcements, features and opinions on chemistry related topics. Contributions to the PCN should be sent to the editor:

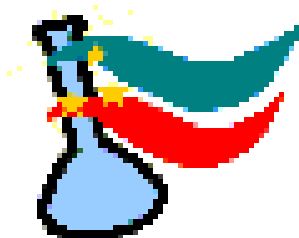
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Articles on diskette are especially welcome; any of the more popular word processing software may be used. Matters pertaining to advertisements and subscriptions should be addressed to the editor.

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Scientific Conferences/Seminars/Workshops



National Chemweek 2004

With the theme “*Chemistry in Nation Building*,” the Philippine Federation of Chemistry Societies (PFCS) prepared several symposia and seminars through its member societies. Held from 17 to 22 of February were the listed events:

Event	Date, Venue
ICP Day	Feb 17, FNRI Auditorium, FNRI-DOST, Bicutan, Taguig, M. M.
KKP Day	Feb 18, ISMED Auditorium, NISMED, U.P. Diliman
OCTA Day	Feb 19, Angelo King International Center, DLSU College of St. Benilde, Metro Manila
PACT Day	Feb 20-21, Mapua Institute of Technology, Intramuros, Manila
PACS Day	Feb 21-22, College of Engineering Theater, U. P. Diliman (National Student Chemistry Congress and PACSIKLABAN)
PNCO3	Feb 21-23, Ateneo de Manila University, Loyola Heights, Q. C.

Good Laboratory Practice by ICP



As part of ICP's continuing education for practicing chemists, a seminar on GLP was organized at FNRI-DOST, Bicutan, Taguig, Metro Manila last February 17, 2004. The whole day conference focused on the theme, “Ensuring Competitiveness Through Good Laboratory Practices.” A word of welcome was delivered by Dr. Ernesto del Rosario before the speakers on the three main topics were introduced. From Jefcor Laboratory, Ms. Edna Mijares presented an important talk about “Good Personal Habits and Housekeeping Practices in a Chemical Laboratory.” After the hearty luncheon, Dr. Evangeline Santiago of NSRI, UP Diliman delivered information on “Good Laboratory Practices Essential to Quality Assurance in Chemical Analysis.” After which, a joint effort was devoted by Dr. Rosario Sagum, FNRI-DOST and Ms. Charita Kwan, NSRI, UP Diliman in giving a lecture on “Good Practice for Safety and Waste Disposal in a Chemical Laboratory.”

Meanwhile, the ICP held a second Chemistry Week seminar also on Good Laboratory Practices at the Garden Oasis Resort, Davao City, on February 19, 2004.

KKP Day



The Kapisanang Kimika ng Philippines, Inc. (KKP) celebrated its KKP day last 18 February 2004 at STTC Auditorium, NISMED, U.P. Diliman with the theme “Ensuring a Healthy and Safe Environment through Science”. The welcome remarks were delivered by Dr. Eric Punzalan, KKP President, while Dr. Grace Gregorio, KKP 2nd VP and chair of the organizing committee, gave the closing remarks.

The whole day seminar featured lectures by Ms. Soledad Castañeda of the Philippine Nuclear Research Institute (PNRI) on the use of environmental isotopes to investigate groundwater contamination; Dr. Leni Quirrit of the Institute of Chemistry, UP Diliman (IC-UPD) on chemical remediation of toxic and hazardous wastes such as chlorinated organic compounds,

polyaromatic hydrocarbons, metal pollutants and combustion-generated air pollutants; Dr. Emily Castriciones, IC-UPD, on an overview of the analysis and verification of chemical warfare agents and related substances, and Mr. Bufford Ang of the Occupational Safety and Health Center (OSHC) on chemicals in the workplace, the risks associated with their use, and the methods available for reducing exposures.

Organic Chemistry for Nation Building



The symposium bearing the team, “Organic Chemistry for nation Building,” took place at the Angelo King International Center, College of St. Benilde, Manila on 19 February 2004.

The meeting was officially opened by Dr. Gerardo Janairo, Dean of the College of Science, DLSU. He welcomed all participants in a whole day of interesting topics and forum.

In the morning, three subject areas were heard: “State of Organic Chemical Industries in the Philippines” by Mr. Edwin Umali (Samahan sa Pilipinas ng mga Industriyang Kimika), “Virgin Coconut Oil” by Dr. Conrado dayrit (NAST and UNILAB) and “Local Materials in Personal Care Industries” by Ms. Lollie Sarmiento (Splash Corporation).

The last two topics were presented after the partakers were nourished with a bountiful of foods and refreshments. From the International Rice Research Institute, Dr. William Padolina gave a talk on the Importance of Organic Chemistry Education in Nation building” and Dr. Ester Garcia of the Institute of Chemistry, UP Diliman talked on “The Relevance of Organic Synthesis in Chemical Industry.”

PACS, Inc. Held Their 4th National Chemistry Students' Congress

As part of the celebration of Chemistry Week, the Philippine Association of Chemistry Students, Inc. (PACS, Inc.) had their annual national Chemistry Students' Congress. This year's theme was "Chemistry and Nation Building Through Industries." This two-day event took place at UP Engineering Theatre, UP Diliman on 21-22 February 2004.



Participated by 12 chemical societies, namely UST Chem, UST Biochem, PLM Chem, DLSU Chem, PUP Chem, MIT Chem, FEU Chem, UPM Biochem, UPD Chem, BSU Chem, RTU Chem and AdU Chem, the first day was highlighted by a series of talks given by Charina Paras-de Silva, Ph. D. and Mr. Errol Angeles. Dr. de Silva is from United Laboratories, and her talk entitled "Assuring Quality and Effectiveness of Generic Drugs thru Dissolution and Bioequivalence Studies," while Mr. Angeles of San Miguel Corp. shared his knowledge and experiences about the various careers available for chemistry graduates.

Held on the same day was the thesis poster exhibit in which 18 research entries from four member societies (UST Chem, FEU Chem, PUP Chem and PLM Chem) were submitted. The poster winners for Organic Chemistry and Analytical Chemistry categories were UST posters by D. C. Enriquez and J. Choi with Dr. A. Bayquen as their adviser and K. R. Tuazon and M. Barachina with Mr. R. Layco as their adviser, respectively.

The inter-university chemistry quiz bee dubbed as "PACSiklaban 2004" took place on the second day. It was participated by 15 chemical societies from within and outside Metro Manila. The judges for the event were Dr. E. C. Llaguno (UPLB), Dr. E. del Rosario (UPLB), Dr. F. del Mundo (UPD), Dr. C. Ragaza (DLSU), Dr. C. Menguito (UST) and Dr. N. Valera (AdMU). The quiz bee was concluded, having UPLB Chemical Society bagging the Champion award for the fourth time.

Chemistry Olympiad News

4th Regional (Reg IV) Chemistry Olympiad

The Kapisanang Kimika ng Pilipinas Southern Tagalog Chapter (KKP-ST) co-sponsored the 4th Regional Chemistry Olympiad for Region IV with the UPLB Chemical Kinetics Society last January 2004 at the SEARCA Auditorium, UPLB, College, Laguna. The winners are Lorenzo Luis Guinto (UP Rural High School), Luis Buño III (UP Rural High School) and Emilio Gozo (Rizal National Science High School). The winners will compete in the forthcoming 4th Philippine National Chemistry Olympiad to be held during the 19th Philippine Chemistry Congress in Iloilo City on May 24-26, 2004.

Region XI Chemistry Olympiad

The elimination in Region XI was held last 20 March 2004. Among the 33 contenders, three were declared as winners: S. Lopez (Ateneo de Davao HS), M. D. Sy (Philippine Science HS-Southern Mindanao Campus) and J. Sto Domingo (Ateneo de Davao HS).

3rd PNCO

Through the assistance conferred by DOST-SEI, the third Philippine National Chemistry Olympiad (PNCO) was held last 21-23 February 2004 at the Ateneo de Manila University (AdMU), Q.C. Twenty seven (27) participants from the different regions together with their coaches were housed at the Institute of Social Order, AdMU. There was an orientation during the 1st day. Activities on the 2nd day were the elimination round and the practical (laboratory) examination. February 23 was the big day where the 12 finalists competed for the top 3 awards.

The judges for the practical examination were Dr. Evangeline Amor (UPD), Dr. Assunta Cuyegkeng (AdMU), and Dr. Larry Manuel (UPD). The top three Olympians were Carlo Noel E. Ochotorena of the Philippine Science High School (PSHS)-Southern Mindanao (Region 11), Deonne Thaddeus V. Gauran of PSHS-

Cagayan Valley (Region 2), and Ralph Kristoffer Y. Porio of Ateneo de Davao (Region 11). Ms. Arlyn C. Assuit and Mr. Wowie Rey P. Ariza were the coaches for regions 11 and 2, respectively. Mr. Ochotorena received PhP3,000.00 and all three Olympians were given medals and certificates of recognition.

For the finals, the judges were Dr. Elma Llaguno (PFCS President), Dr. Nestor Valera (AdMU), Dr. Girlie Sison (UPD), Dr. Larry Manuel (UPD), and Mr. Alex Tardaguila (PLM). Top ranked Olympian Jose Faustino R. Sala of PSHS-Main Campus (NCR) won PhP10,000.00 and the champion trophy. Olympian Paolo Dominic E. Umali of Mabini Academy, Lipa City (Region 4) received PhP7,000.00 and trophy as 1st runner-up. Olympian Carlo Delfin J. Vendiola of the University of the Philippines Rural High School, 2nd runner-up, received PhP5,000.00 and trophy. Mr. Felixberto G. Generalao and Ms. Lorna A. Aporto were the coaches for NCR and region 4, respectively. All the coaches received certificates of recognition.

Kudos to the PNCO3 organizing committee members Dr. Emily Castriciones (UPD), Dr. Portia Sabido (UPD), Dr. Armand Guidote (AdMU), Mr. Lenard dela Cruz (UPD), and Mr. Richard Yaya (UPD) for a job well done. They were ably supported by the Ateneo Chemical Society and the University of the Philippines Chemical Society. The quizmasters were Mr. Junriz de los Santos and Ms. Angeli Sabalo, both from UPD.

NRCP Meeting

Last 7 February 2004, the Division of Chemical Sciences, National Research Council of the Philippines (NRCP) chaired by Wyona C. Patalinghug had a half day general meeting at the Yuchengco Bldg., DLSU, Manila. This included lectures from Ms. Carmen Gacho (DOST-ITDI Environmental Division) and Dr. Martin C. Ilaio (DLSU Chemistry Department) entitled "R and D Initiatives of ITDI-DOST Environmental Division" and "Handling Municipal Waste: Issues, Concerns and Solution," respectively.

ICP Seminars Scheduled for 2004

In line with the program of ICP to help laboratories upgrade the quality of analytical services and obtain accreditation to ISO 17025, two seminars will be offered in the second half of 2004.

Tentatively set on the first week of July, a two-day seminar will be held in Metro Manila. The focus is on Measurement of Uncertainty, which will further be subdivided into two main topics. The first day will feature theoretical aspects related to calculation of error from components that contribute errors in typical analyses such as gravimetric, titrimetric, spectrophotometric (UV/Vis/AAS) and chromatographic methods, whereas the last day is centered on calculation of uncertainties by statistical methods for typical analytical methods. Mornings will be for lecture, and afternoons for exercises.

Similarly, a tentative schedule (first week of October) is given for a whole day seminar on the maintenance of equipment. A number of engineers from major suppliers of analytical equipment will be invited to discuss important measures on preventive maintenance of equipment and the essence calibration of analytical equipment and traceability to international standards of measures. They will likewise present examples of maintenance and calibration protocols and documentation of maintenance and calibration from ISO-17025-certified laboratories.

For more information, you may visit the ICP website for updates or you may contact ICP via e-mail: info@icp.org.ph. The ICP is also open to organizing the same seminars in the regions. If you are interested in sponsoring and organizing a seminar at your locality, please inform ICP.✍

Refresher Course 2: Instrumental Analysis



The Kapisanang Kimika ng Pilipinas-Division of Analytical Sciences and the Institute of Chemistry, UP Diliman will co-sponsor a four-day seminar on various techniques in analytical chemistry. The course aims to give the participants a review of and update on the principles and applications of the instrumental methods widely used in chemical analyses.

The refresher course will include lectures and laboratory sessions, either demos or hands-on, on the following topics:

- Analytical process and principles in instrumentation
- Statistics and quality assurance
- Atomic spectroscopy (AAS, AFS, AES)
- Molecular spectroscopy (UV, Vis, IR, Luminescence)
- Potentiometry, coulometry and voltammetry
- Chromatographic separations (GC, HPLC)
- Thermal methods (TG, DTA, DSC, ITC)
- Automated methods (FIA)

The lessons will be delivered and conducted at the Institute of Chemistry, UP Diliman, Quezon City on September 7 to 10, 2004 from 8:00 am to 5:00 pm. The registration fee for the lecture course is P3,000.00 and lecture with laboratory is P5,000.00. The fee will include the hand-outs, facilities, laboratory supplies, snacks and lunches. The lecture will accommodate 60 participants, while the laboratory sessions are limited for a few. Advanced registration is necessary and on a first come, first served basis. For more information you may contact the secretariat, Dr. Jose S. Solis of the Institute of Chemistry, UP Diliman, QC at telefax number 920-5427 or send e-mail at jsolis@chem.upd.edu.ph.✍

PFCS' New Websites

The Philippine Federation of Chemistry Societies (PFCS) and the organizations under its umbrella have launched their new website addresses. For the PFCS, the official site is www.philippinechem.org, and the rest are as follows:

ORGANIZATION

Integrated Chemists of the Philippines (ICP)
Kapisanang Kimika sa Pilipinas (KKP)
Organic Chemistry Teachers Association (OCTA)
Philippine Association of Chemistry Teachers (PACT)
Philippine Association of Chemistry Students (PACS)
Philippine National Chemistry Olympiad (PNCO)

WEBSITE

icp.philippinechem.org
kkp.philippinechem.org
octa.philippinechem.org
pact.philippinechem.org
pacs.philippinechem.org
pnco.philippinechem.org

Dissemination of information is now easier. Just visit the sites, and they will keep you posted. The activities of each organization and other relevant details may be browsed. Moreover, back issues of KIMIKA (the refereed scientific publication managed by KKP) and PCN (the official newsletter of PFCS) are available online.

News Items

... where the 19th PCC will be held.

Iloilo City ...

Located at the center of the country's archipelago is the beautiful province of Iloilo - a place encompassing the southeastern portion of Panay Island. Strategically, it is 283 statute miles from Manila. Its mountains that are lofty as 7,000 ft gives natural boundaries between the place and Capiz on the north and Antique on the west side. Comprising the rest of the site are plains with dispersed upland sections.

There are two cities and 42 municipalities in the province. Situated at the middle of Iloilo and Batiano rivers is the capital of the province - Iloilo City. Its location is comparable to a nose conferring its ancient name, Ilong-ilong. Its current designation was shortened to Iloilo by the Spaniards at the latter part of 1600.

Iloilo City is considered as the center of education, religion and culture in the Western Visayas. Several universities and medical schools are found in the capital that makes it attractive to the people in the south. Travelers find their tours so rewarding because of the classical churches that are all awesome. A grand example is the architectural Miag-ao Church in Jaro. It is a medieval stronghold church with floral designs on the façade. One more is the San Joaquin Church, a colossal monument highlighting the Casillian and Moorish wars, whereas churches depicting the renaissance period are the Molo Church and Asilo de Molo. Another attractive spot is the Museo Iloilo. Considered as the repository of Iloilo's cultural heritage, found inside this impressive place is a collection of fossils, stone age native pottery, jewelry, burial sites, mementos and war relics, a British sunken ship, Spanish-era Filipino sculpture and modern art made by Ilonggo artists. Additional attraction is the enchanting beaches in Boracay, which capture the hearts of the tourists as well.

Aside from all the enticing places, people experience fun and enjoyment with the festivals. Almost a year-long merry-making airs the province. Several patron saints, mythical figures and historical events are celebrated throughout the time. The best in certain months are lined up on the next page:



MONTH	FESTIVAL/PLACE
January	Paiburong and Pasungay, San Joaquin Fireworks Display Contest, Arevalo Dinagyang Festival, Iloilo City Hirinugyaw, Calinog
February	Candelaria, Jaro Salakayan, Miag-ao
March	Pintados de Pasi, Passi City Iloilo-Guimaras Paraw Regatta, Iloilo City
April	Pagtatal, Barotac Viejo (or March) Paghukom, Calinog (or March) Tampisaw, Conception
May	Carabao-Carroza Parade and Race, Pavia
November	Cry of Sta. Barbara, Sta. Barbara Kahilwayan, Sta. Barbara
December	Christmas Lights Festival, Pototan Tultugan Festival, Maasin

The celebration is incomplete without the Ilonggos' famous foods. Their culinary pride are La Paz Batchoy and Binakol, while sweet delicacies include pinasugbo (banana brittle), barquillos (local wafers), barquiron (local stuffed wafer) and other mouthwatering treats.✍

Reference:

Retrieved 5 April 2004. Web: <http://www.philtravelcenter.com/philippines/travelinfo/iloilo-gateway.html>

Days Hotel

General Luna St. cor Valeria St.,
Iloilo City
033-337-3297; 033-336-88-01

Iloilo Midtown Hotel

Yulo St., Iloilo City
033-336-2288; 033-336-2088
033-336-6888; 033-336-8888

International Hotel

JM Basa St., Iloilo City
033-335-0034; 033-337-2865

Jaro Believe Pensionne

Lopez Jaena St., Jaro, Iloilo City
033-320-9521 to 23

Palmares Guest House

Magsaysay Village, La Paz, Iloilo City
033-320-1071

The Castle Hotel

Bonifacio Drive, Iloilo City
033-338-1021; 033-338-1023

City Dwellers Pension

Luna St., La Paz, Iloilo City
033-337-4463; 033-320-0064

Jaro Pension House

#36AD B Ledesma St., Jaro, Iloilo City
033-320-2863; 033-508-0439

Lapaz Plaza Pension

#11 Burgos St., Lapaz, Iloilo City
033-320-8330; 033-320-0337

Eros Pension

General Luna St., Iloilo City
033-337-1359

Pension Del Carmen

General Luna St., Iloilo City
033-338-1626

Family Pension House

General Luna St., Iloilo City
033-335-0070

St. Ogs Traveller's Pension

Digol cor Delgado St., Iloilo City
033-336-2444

Punta Villa Resort

Sto. Nino Sur
Arevalo, Iloilo City
033-336-1106
033-336-1105
033-337-7972



Hotels

Accommodation for the 19th PCC's participants is not a huge dilemma, for there are a number of hotels to choose from.

The alphabetical listings of hotels in Iloilo City are listed below together with the addresses and contact numbers.

Barceló Sarabia Manor Hotel

101 General Luna Street, Iloilo City,
Philippines
033- 337-2731

For more information, please visit:
[http://www.asia-hotels.com/hotelinfo/Barcelo Sarabia Manor Hotel Convention Centre](http://www.asia-hotels.com/hotelinfo/BarceloSarabiaManorHotelConventionCentre)

Residence Hotel

#44 General Luna St., Iloilo City
033-338-1091

Hotel del Rio

M. H. del Pilar St., Molo, Iloilo City
033-335-1171

Fine Rock Hotel

Jalandoni St., Iloilo City
033-336-9075

Centennial Plaza Hotel

Jalandoni St.,
Iloilo City
033-337-2277

Four Seasons Hotel

Fuentes-Delgado St., Iloilo City
-1070

La Fiesta Hotel

M. H. del Pilar St., Molo, Iloilo City
033-509-2924
033-338-6044

TOURS AVAILABLE	DETAILS
Panay Island Holidays	033-3295518 City tour (half day; coach): City, Jaro, Molo, SM City Guimaras (half day; coach, boat; includes lunch): beach accomodation Boracay (per night; coach, boat; breakfast included w/ rm): beach accomodation
Panay Adventures	033-3210474 City tour (half day; coach): City, Jaro, Molo, Miag-ao, Sta. Barbara Guimaras (half day; coach, boat; includes lunch & snacks): tour, beach, island hopping Boracay (per night; coach, boat; includes boat trip w/ snorkelling): beach accomodation
AITTO	033-3379572 City tour (half day; coach; includes snacks): City, Jaro, Molo, Miag-ao, Sta. Barbara Iloilo-Bacolod (3 days; coach, boat; includes accomodation): Iloilo Country Tour + Bacolod (Silay, Talisay, VICTORIAS Milling)
ECV	033-3202238 City tour (half day; coach): City, Miag-ao Boracay (per night; coach, boat): beach accomodation

Reference:

Retrieved 5 April 2004. web: http://www.icp.org.ph/print_pcc.htm

2003's Chemist Licensure Examination

Held on 9-10 September 2003, the Chemist Licensure Examination resulted to a 42.5% national passing rate. This announcement was made by the Philippine Regulation Commission (PRC) two days from the last day of the examination.

The top five schools of Chemistry include University of the Philippines-Manila (95%), University of the Philippines-Diliman (93%), Ateneo de Manila University (92%), University of the Philippines-Los Baños (81%) and University of San Carlos (75%).

In the roster of successful examinees, ten garnered the highest ratings. They are:

RANK	NAME	RATING
1	Maria Conchita M. Morabe	91.50
2	Rhodora Christina S. Calizo	91.00
3	Ma. Angeli B. Sabalo	90.25
4	Joan Marie D. Zapiter	90.00
5	Patricia Anne A. Ignacio	89.75
	Joni Flor L. Monteveros	89.75
6	Oliver Jr. P. Baclay	89.50
7	Joefrey G. Concepcion	89.25
	John Paul E. Erlano	89.25
8	Erwin M. Garcia	88.50
9	Carlo S. Emolaga	88.25
	Catherine M. Serrano	88.25
10	Mark Anthony T. Bendiction	88.00

The oath taking of the examinees in the said test as well as the previous ones who have not taken their Oath of Professional was held on October 17, 2003 at Manila Hotel, One Rizal Park, Manila.

Board of Examiners for 2004

For several years, Dr. Alumanda M. Dela Rosa and Dr. Corazon C. Bernido were acting as members of the Board of Chemistry. The extension of their terms was due to the difficulty that the Integrated Chemists of the Philippines (ICP) encountered. Many were qualified but either they are affiliated in universities or have relatives in the academe.

Being the entity recognized by the Philippine Regulatory Commission (PRC) as the Accredited Professional Organization (APO) for licensed chemists, ICP was in charge in searching for the next line of members of the board.

This year, a new batch of associates was appointed. The board includes Soledad Castañeda (PNRI) as chairman and Adoracion Resurrection (IRRI) as member. They will now give the examinees, who wish to practice chemistry in the country, a new approach of assessment in terms of the contents of the licensure examination.

New Officers of PHILAAS Elected

The Philippine Association for the Advancement of Science, Inc. (PHILAAS) has announced the results of the most recent election. The officers for 2004-2005 are: F. Sevilla III - President; P. M. Jalos (Agri Sci), L. M. Rabago (Eco & Soc Sci), L. M. Joson (Med & Bio Sci), C. A. Menguito (Chem, Phys & Math), B. S. Austria (Geo & Earth Sci), F. T. dela Peña (Eng'g & Indus Sci), R. E. de la Cruz (Environ Sci), A. E. Sy (IT) - VPs in their respective divisions; P. G. Anglo - Secretary; F. V. de Vera - Treasurer; F. A. Bagabaldo, E. B. Ogena, A. R. Gopez, D. L. Ignacio, C. A. Binag and Ms. L. E. Samarita - Directors.; and P. C. Campos, J. R. Velasco, Engr. P. G. Afable, Q. L. Kintanar, R. D. Guerrero III and A. B. del Callar - Board of Advisers.

A Bond Among PACS' Participating Members

A strong bond was formed among the participating members of the Philippine Association of Chemistry Students (PACS) during its annual inter-university sports fest – the OlymPACS. For two days students from PACS' eight member schools (Adamson University, De La Salle University, Far Eastern University, Pamantasan ng Lungsod ng Maynila, Polytechnic University of the Philippines, University of the Philippines-Manila, University of Santo Tomas-Biochemical Society and University of Santo Tomas-Chemical Society) in Metro Manila gathered together for a friendly competition in achieving the grand trophy. The event was held last January 10-11 at the Engineering Complex of UST, which flagged nearly 200 participants. The students mingled together and merged with PACS executive board as they envision their aims of establishing friendly ties and fostering camaraderie and sportsmanship.

The games included basketball for men and women, mixed volleyball, badminton (singles and doubles) and chess. After a series of challenging battles, FEU Chemical Society was hailed as the over-all champion. Below is the list of winners in the concluded OlymPACS.

GAMES	RANK, SCHOOLS
Basketball Men's Division:	1 st Place: FEU 2 nd Place: DLSU
Basketball Women's Division	1 st Place: FEU 2 nd Place: PUP
Volleyball-Mixed	1 st Place: PUP 2 nd Place: UST-Biochem
Badminton-Singles	1 st Place: FEU 2 nd Place: UST-Chem
Badminton-Doubles	1 st Place: UST-Chem 2 nd Place: UST-Biochem
Chess	1 st Place: UPM 2 nd Place: PLM



Dr. Severino Legarda Koh

(8 January 1927 - 8 April 2004)

Immense sadness is felt by many people whose hearts were touched by Dr. Severino L. Koh. The Philippine-American Academy of Science and Engineering (PAASE) community, above all, is now experiencing the deepest sorrow in losing its founder. For all the goodness and leadership shown by Dr. Koh, they have both hands to salute this great man.

Biography

Dr. Severino L. Koh, 77, Professor Emeritus of Mechanical Engineering and former Associate Dean of Engineering at the University of Maryland, Baltimore County (UMBC), died on April 8, 2004 at Washington Hospital Center from complications following heart surgery.

His scholarship and traineeship began under the Philippine Rehabilitation Act of 1946 as a member of the First Group of Pensionados sent to the U.S. after World War II and again in 1950. He moved to the United States in 1954 after receiving his Bachelor Degrees in Meteorology from New York University, New York and Mechanical Engineering from National University, Manila, Philippines. He earned his Master of Science in Engineering Mechanics from Penn State, and received his PhD in Engineering Sciences in 1962 from Purdue University.

Dr. Koh received numerous teaching and research awards and distinctions throughout his career. He was also recognized by various Philippine government and organizations. In addition to writing over 65 publications and technical reports, Dr. Koh was instrumental in the founding and development of several Filipino and American Engineering and Science Programs, including the American Society of Engineering Science (AAES) and the Philippine-American Academy of Science and Engineering (PAASE). After dedicating almost 50 years in academia to teaching, research and administration he retired in July 2002 and received the status of Emeritus Professor of Mechanical Engineering.

Dr. Koh was a generous, dedicated and loving husband and father, married for almost 52 years to Paz L. Ongjoco Koh. He was preceded in death by daughter, Dorothy P. in 1972. He is survived by his wife, and his four daughters, Amelita P. Koh (husband, William Chang) of Columbia, MD, Bernadette P. Koh of Albuquerque, NM, Cynthia P. Koh-Knox (husband, K. Scott Knox) of W. Lafayette, IN, Evangeline P. Brown (husband, Nick L. Brown, II), and two brothers Eusebio L. Koh (wife, Donelita Koh) of Regina, Saskatchewan, Alejandro L. Koh (wife, Myrna Koh) of Houston, TX. Also surviving are grandchildren, Paz J. and Anna F. Luncsford, C' Koh P. and Koh S. Knox, Keya N. and Nicky L. Brown, III.✍️

Awards & Recognition

Two-year Research in Japan for Dr. Myrna S. Mahinay

A two-year research (2003-2005) at the Center for Integrative Bioscience, Okazaki National Research Institutes, in Okazaki City, Japan was given to Dr. Myrna S. Mahinay of the Mindanao State University-Iligan Institute of Technology (MSU-IIT), Iligan City. She is the only Filipino who was awarded the program by the Japan Society for the Promotion of Science (JSPS) under the JSPS Invited Foreign Researchers Program. Her research is centered on the cancer tumor suppressor protein, p53 - a wild type protein, which causes the invasion of cancer in the body. She has already established a protocol on isolating and purifying this unstable protein for her research. Likewise, she is working on the Resonance Raman Spectroscopy (UVRR and Visible Resonance Raman) for its structural elucidation.

Dr. Mahinay participated in the 48th Biophysical Society Annual Meeting in Baltimore, Maryland, USA, last February 14-18, 2004. The international conference was highlighted by the national plenary lecture of the 2003 Nobel Prize winner, Roderick MacKinnon, for his *Atomic Basis (structure and mechanisms) of Ionic Channel in Cell Membrane*. The conference flagged a total of 6,213 registered participants coming from around the globe. She visited other collaborating research agencies in USA. Her travel and stay at Radisson Plaza Lord Baltimore Hotel was financed by JSPS.



Dr. M. S. Mahinay

The Tata Institute of Fundamental Research and the Organizing Committees of the AsBIC-II/SABIC-2004 on behalf of the Asian Biological Inorganic Chemistry Conference International Steering Committee has invited Dr Mahinay to deliver an Invited Lecture in the Conference to the Third Symposium on Advances in Bioinorganic Chemistry (SABIC-2004) which will be held on December 5-10, 2004 at Goa, India.

Three Chemists Join the Society of Fellows of De La Salle University

The DLSU Society of Fellows includes three chemists, namely, Dr. Wyona Patalinghug, the Chair of the Chemistry Department, Dr. Gerardo Janairo, the Dean of the College of Science and Dr. Consolacion Ragasa, awardee of the PFCS Outstanding Chemist in Research 2002. DLSU University Fellows are those who have been conferred the honor in recognition of their distinguished teaching, research and publications in their field of study and their meritorious service to the University.



DOST's New Ph. D. Holders

The Department of Science and Technology takes pride as two of its researchers recently gained Ph. D. Degrees at the University of Santo Tomas.

From the Industrial Technology Development Institute or ITDI, Dr. Benilda S. Ebarvia finished her dissertation entitled, "Piezoelectric Quartz Crystal Sensor for Caffeine Based on Molecularly Imprinted Polymer," while Dr. Daisy R. Lopez of the Philippine Textile Research Institute or PTRI investigated on "Isolation, Identification and Correlation of Alkaloids from Mature and Young Leaves of *Pandanus amaryllifolius* Roxb. Collected at Different Seasons of the Year from Marikina, Philippines."

Their doctorate degrees in chemistry, along with the others, were conferred at the CME auditorium of the Catholic University of the Philippines.

2003 IUPAC Travel Grant for Young Chemists



L-R: Second Secretary and Consul M. G. Macaraig (Philippine Embassy, Ottawa, Canada), C. Binag (UST), A. Guidote, Jr. (Ateneo), E. delos Santos (Wyett, N. Y).

Two well-known Filipino chemists were awarded travel grants to attend the 39th IUPAC Congress and the 86th Conference of The Canadian Society for Chemistry at the Ottawa Congress Center, Ottawa, Canada. Dr. Armando Guidote, Jr. of the Ateneo de Manila presented a research poster on the "Syntheses of Dinuclear Copper Complexes Bearing Methyl Substituted Bis[3-(2-hydroxybenzylideneamino)phenyl] Sulfone" (co-authors: G. Chua, M. Go, M. Niñonuevo, L. Sese), while from the University of Santo Tomas Dr. Christina A. Binag delivered an oral paper entitled "Development of a Sensor for Flow Injection Potentiometric System Based on Conducting Polyaniline" (co-author: K. B. Bacila).

The meeting with the theme, "Chemistry at the Interfaces" was held on 10-15 August 2003. The five-day congress was participated by about 1,850 individuals from all over the world.

Calendar of Events

1-4 June 2004: Biodegradable Polymers and Plastics. 8th World Conference on Biodegradable Polymers and Plastics, Seoul, Korea. Prof. S.S. Im Division of Chemical Engineering Hanyang University 17 Haengdang-dong, Seongdong-gu Seoul 133-791, Korea. Tel.: +82-2-2290-0495/Fax: +82-2-2297-5859. E-mail: bdpp8@hotmail.com Website: <http://www.bdpp8.com>

14-18 June 2004: π -Electron Systems 6th International Symposium on Functional π -Electron Systems, Ithaca, New York, USA. Prof. George Malliaras. Materials Science and Engineering 327 Bard Hall, Cornell University Ithaca, NY 14853-1501. Tel.: +1 607 255-1956/Fax: +1 607 255-2365 E-mail: george@ccmr.cornell.edu. Website: <http://www.fpi6.cornell.edu>

21-23 June 2004: CHEMRAWN XV - Chemistry for Water. Paris, France. Tel.: +33 1 41 41 00 6/Fax: +33 1 41 41 09 68 E-mail: chemrawnXV@m2c.fr Website: <http://www.chemrawnXV.org>

27 June - 1 July 2004: Biomolecular Chemistry. 7th International Symposium on Biomolecular Chemistry (ISBOC-7), Sheffield, United Kingdom. Prof. George M. Blackburn University of Sheffield. Department of Chemistry Sheffield, S3 7HF, UK. Tel.: +44 114 222 9462/Fax: +44 114 273 8673. E-mail: g.m.blackburn@sheffield.ac.uk Website: <http://www.rsc.org/lap/confs/ISBOC7.htm>

27 June - 2 July 2004: Coordination and Organometallic Chemistry of Germanium, Tin, and Lead. XIth International Conference on the Coordination and Organometallic Chemistry of Germanium, Tin and Lead, Santa Fe, New Mexico, USA. Prof. Keith Pannell. Department of Chemistry University of Texas at El Paso. El Paso, TX 79968-0513, USA. Tel.: +1 915-747-5796/Fax: +1 915-747-5748. E-mail: kpannell@utep.edu Website: <http://www.gtl-xi.utep.edu/>

4-9 July 2004: Phosphorus Chemistry 16th International Conference on Phosphorus Chemistry (ICPC 16), Birmingham, England. Prof. Pascal Metivier. Rhodia, R&D for Phosphorous and Performance Derivatives. Oak House, reeds Crescent Watford, WD24 4QP, UK. Tel.: +44 19 23 485609 - E-mail: pascal.metivier@eu.rhodia.com. Tel.: +44 20 8334 6518/Fax: +44 20 8332 7690. E-mail: ICPC2004@meeting-point.co.uk. Website: <http://www.icpc2004.com>

4-9 July 2004: Macromolecules. 40th International Symposium on Macromolecules - IUPAC World Polymer Congress MACRO 2004, Paris, France. Prof. Jean-Pierre Vairon. Université Pierre et Marie Curie. Laboratoire de Chimie des Polymères. Case 185, 4 Place Jussieu, F-75252 Paris Cédex 05, France. Tel: +33 1 44 27 50 45/Fax: +33 1 44 27 70 89. E-mail: macro04@ccr.jussieu.fr. Website: <http://www.upmc.fr/macro2004/>

11-15 July 2004: **Polymer Biomaterials.** 43rd PMM Microsymposium: Polymer Biomaterials: Biomimetic and Bioanalogous Systems, Prague, Czech Republic. Drahomir Vyprachticky. Institute of Macromolecular Chemistry Academy of Sciences of the Czech Republic. Heyrovskeho nam. 2 CZ-162 06 Praha 6, Czech Republic. Tel: +420 296 809 332/Fax: +420 296 809 410 E-mail: sympo@imc.cas.cz. Website: <http://www.imc.cas.cz/sympo/43rdmicro.htm>

14-15 July 2004: On Being and Becoming: Where We are ad Where We Want To Be. 26th Annual Scientific Meeting. National Academy of Science and Technology.

17-22 July 2004: Photochemistry. 20th IUPAC Symposium on Photochemistry, Granada, Spain. Prof. Dr. Miguel A. Miranda. Departamento de Química/Instituto de Tecnología Química UPV-CSIC. Universidad Politecnica de Valencia Avenida de los Naranjos, s/n. E-46022 Valencia, Spain. Tel: + 34 963877807 Fax: + 34 963877809. E-mail: mmiranda@qim.upv.es. Website: <http://www.ugr.es/~xxiupacs/iupacxx.htm>

18-21 July 2004: Chemical Sciences in Changing Times. 4th International Conference of the Chemical Societies of the South-Eastern European Countries on Chemical Sciences in Changing Times, Belgrade, Serbia and Montenegro. Prof. Ivanka Popovic. Belgrade University Faculty of Technology and Metallurgy Karnegijeva 4. 11000 Belgrade, Serbia and Montenegro. Tel.: +381 11 337 0478/Fax: +381 11 337 0473. E-mail: icosecs@elab.tmf.bg.ac.yu. Website: <http://www.shd.org.yu/icosecs4/index2.htm>

18-23 July 2004: Coordination Chemistry. 36th International Conference on Coordination Chemistry, Merida, Yucatan, Mexico. Prof. Norah Barba-Behrens. Departamento de Química Inorgánica Facultad de Química Universidad Nacional Autónoma de México Ciudad Universitaria, Coyoacán, México,

D.F. 04510, México. Tel./Fax: +52(55)5622-3810. E-mail: norah@servidor.unam.mx. Website: <http://www.iccc36.unam.mx/>

18-23 July 2004: Polymers and Organic Chemistry. 11th International Conference on Polymers and Organic Chemistry 2004 (POC '04), Prague, Czech Republic. Dr. Karel Jerabek. Institute of Chemical Process Fundamentals Rozvojova 135 165 02 Prague 6, Czech Republic. Tel.: +420 220 390 332/Fax: + 420 220 920 661. E-mail: kjer@icpf.cas.cz. Website: <http://poc04.icpf.cas.cz>

23-27 July 2004: Carbohydrates. 22nd International Carbohydrate Symposium, Glasgow, United Kingdom. Prof. E. Hounsell. School of Biological and Chemical Sciences Birkbeck University of London Malet St. London WC1E7HX, UK Tel.: +44 207 631 6238. E-mail: e.hounsell@bbk.ac.uk. Website: <http://www.rsc.org/lap/confs/ICS22.htm>

25-29 July 2004: Solubility Phenomena. 11th International Symposium on Solubility Phenomena, Including Related Equilibrium Processes (11th ISSP), Aveiro, Portugal. Prof. Clara Magalhaes Department of Chemistry. University of Aveiro. P-3810-193 Aveiro, Portugal Tel.: +351 234 401518 - E-mail: mclara@dq.ua.pt. Tel: + 351 234 370200/ Fax: +351 234 370084. E-mail: issp@dq.ua.pt. Web: http://www.dq.ua.pt/11th_issp

25-30 July 2004: Organometallic Chemistry. 21st International Conference on Organometallic Chemistry (ICOMC), Vancouver, Canada. 21st ICOMC Secretariat. Conferences & Accommodation at UBC. 5961 Student Union Boulevard Vancouver, BC, Canada V6T 2C9 Tel.: +1 604 822-1050/Fax: +1 604 822-1069 E-mail: registration@housing.ubc.ca

13-14 August 2004: 24th Philippine-American Academy of Science and Technology (PAASE) Meeting. University of Maryland College Park, Maryland. Dr. Liza Virata. E-mail: virata@cber.fda.gov. Dr. Leah Tolosa. E-mail: leah@umbc.edu



Bird Flu Outbreak

It was a year ago when the bird flu outbreak started in South-east Asia. Millions of birds and a number of humans have surrendered to the virulent disease H5N1, which caught the attention of many including the international experts from 14 countries.

The World Health Organization has assembled a 10-member Avian Influenza Response Team, headed by Hitoshi Oshitani, a 44-year old microbiologist and a veteran of last year's battle against Sars. They met to tackle the fast-spreading bird flu in Asia and to come up with action plans for the affected countries. To analyze both bird and human cases and to enable health specialists in determining how the virus jumped from chickens to humans, his group has sent teams of epidemiologists and virologists to Vietnam, Cambodia and Thailand. Part of their investigation is the collection of the virus from both victims for use by pharmaceutical companies in producing a vaccine.

They are very careful in looking into vaccination alongside with culling as a way to alleviate the cases because some believe that vaccination may even have contributed

to the origin of the latest variant of virulent H5N1. Hence, they have agreed upon that the best means to contain the disease is through the removal of the rejected members of the poultry.

A number of chickens have been slaughtered to prevent its proliferation, but the attempted cover-ups by some governments and the resistance of farmers to submit infected poultry for culling for lack of adequate compensation have posed additional obstacles.

Scientists are saying that there remains a need for caution since the bird flu could still make the genetic changes that turn it into a more virulent human killer. ✍

Reference: Retrieved 5 April 2004. <http://straitstimes.asia1.com.sg/birdflu/story/html>



MORE INFO...

- **Bird Flu** is a form of **influenza** believed to strike all birds. It also has jumped to humans, though no human-to-human transmission has been reported.

- There were reported **outbreaks in birds in Asian countries** like China, Thailand, Vietnam, Indonesia, Cambodia, Laos, Pakistan, South Korea, Japan and Taiwan have reported recent outbreaks in birds. Thailand and Vietnam have reported human cases. Bird flu was first reported in humans in Hong Kong in 1997. Since then, several cases that are mostly in Asia were confirmed, although the **Netherlands** reported an outbreak, including human cases, in 2003.

- Infected birds **spread the virus through saliva, feces, and nasal secretions**. So far, only humans with direct contact with sick birds have caught the disease. But scientists are worried that bird flu could link with regular human influenza, mutate, and become a deadly new virus and trigger a pandemic.

- The **observed symptoms in birds** are the following: **loss of appetite, ruffled feathers, fever, weakness, diarrhea, excessive thirst, swelling**. If the strain is virulent, between half or all of a stock of birds can die.

- Meanwhile, in **humans** the **symptoms** are as follows: **fever, cough, sore throat, muscle aches, eye infections, pneumonia, acute respiratory distress, viral pneumonia**.

- World Health Organization says this year's strain is resistant to cheaper **anti-viral drugs, amantadine** and **rimantadine**. Scientists are exploring more expensive treatment. WHO also recommends quarantining sick people.

- There is no evidence that the virus is being passed through eating chicken products, health experts say. **Heat kills viruses**, and WHO says chicken products should be cooked thoroughly at temperatures of **at least 70°C**. WHO also says people should wash their hands after handling poultry and ensure that poultry carcasses do not contaminate other objects.

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