

JGSEE

N e w s l e t t e r

Vol. 1 No. 6 November-December 2001

Operate under 5 universities collaboration



KMUTT



KMITNB



CMU



PSU



SIIT-TU



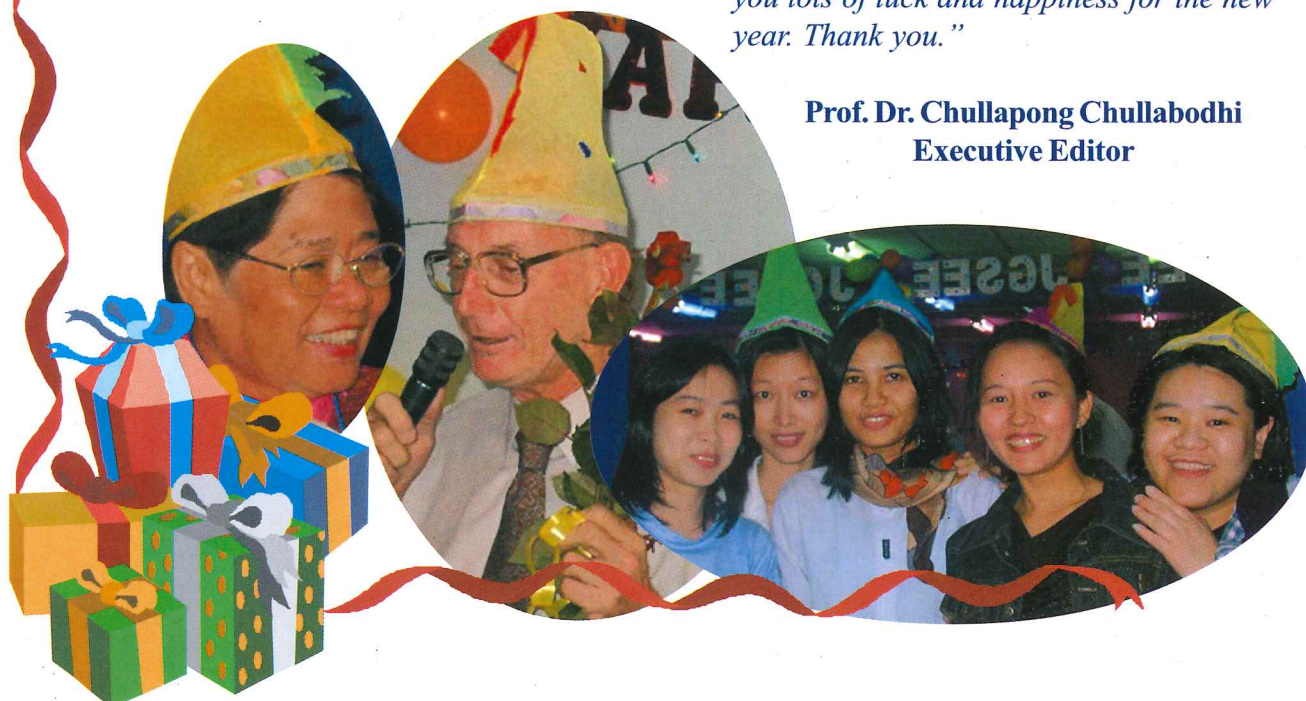
Time has gone very fast and here comes the new year again. The year 2001 that has just passed was full of events to many of us at JGSEE. It appears that we have been constantly on the move in everyday work, trying to cope with the capacity and facilities expansion on one hand, and to manage the ongoing activities to the quality, standard and efficiency required on the other. The year 2002 is expected to be a busy year again with the major task of trying to consolidate our position in the higher education arena.



Thanks to our staff and faculties for their effort and contributions last year and hope you all will continue all the good works again this year.

Appreciation is also extended to all the people who have given support to JGSEE works. May I say "Happy New Year to You All and wish you lots of luck and happiness for the new year. Thank you."

Prof. Dr. Chullapong Chullabodhi
Executive Editor



What's going on around JGSEE



New Faculty

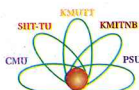
It has been almost a tradition that in every issue of JGSEE Newsletter, we introduce a new faculty. This issue is of no difference. The new gentleman to join JGSEE in the Environment Division starting from March 2002, is Dr. Shabbir Gheewala. He had been graduated in civil engineering from Jadavpur University, India, before coming to Thailand to work and study at the Asian Institute of Technology, where he obtained M. Eng. and D. Eng. degrees in Environmental Engineering. His work experience includes one year as designer of air pollution control equipment and about six years in the areas of wastewater treatment and associated fields.

JGSEE is also pleased to inform that, effective from January 14, 2002, Dr. Savitri Garivait will join the Division of Environment, JGSEE as assistant professor. Dr. Savitri received all her degrees from The University of Paris,



France, the country where she had been studying and living for more than 20 years before coming back to Thailand.

During her stay in France, she had worked in various capacities, including research assistant, research associate, teaching fellow, lecturer and managing editor of an international journal. Her fields of interest are air pollution chemistry and environment physics.



As usual, we wish to bring readers up-to-date on JGSEE activities and developments since the last issue.

Firstly, the number of students in this current semester is increased to 94 which is quite encouraging, but the figure is still 35 per cent short of target. It means that we have to put more effort in student recruitment next semester to make up for the shortfall.

It is to be noted that out of the total number, 5 are overseas students who come from Laos, Cambodia, Nepal and Vietnam.

Secondly, we have been communicating with a couple of overseas academics and before the year end, we hope to be able to secure the services of another 2-3 faculties to strengthen our operation.

Thirdly, we are pleased to report that our book collection in the library has increased to over a thousand. Most of them are expensive books by Thai standard. To make the investment worth, I would like to encourage students and staff to make more use of them.

Fourthly, following our information in the last issue concerning the research cooperation with a university in Singapore, we would like to report that an agreement has finally been signed and work has already started at the beginning of the new year.

Finally, we would like to inform all parties concerned that we are in the process of refurbishing 2 rooms on the third floor which have recently been acquired. One is being developed into the Director's office, and the other, Ph.D students' working room. The scheme should improve working comfort to serveral.





team

Conservation Workshop

Heat from steam is an important source of energy which finds many applications in industries. From experience, considerable amount of savings can be made if steam is generated, distributed and used wisely. Realizing this fact, JGSEE is pleased to inform our readers that during The KMUTT Technology Fair 2002, it will organize a

"Steam Conservation Workshop" on Wednesday 30, 2002, during 9.00- 12.00 hours.

The venue will be Castrol room, on the 8th floor of CB3, at the Faculty of Engineering Building.

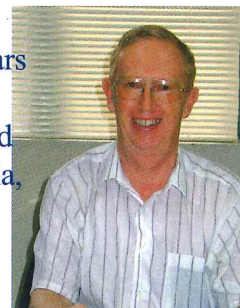
Our speaker is *Mr. Stuart Major* who had several years of energy management experience with the Gas and Fuel Corporation of Victoria, Australia.

Interested persons, please contact

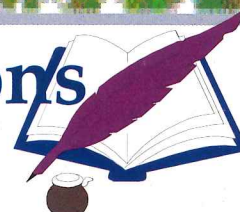
Ms. Jariya Jarurak

Tel. (02) 872-9014-5, ext. 4135

e-mail: ent_div@jgsee.kmutt.ac.th



JGSEE's list of publications

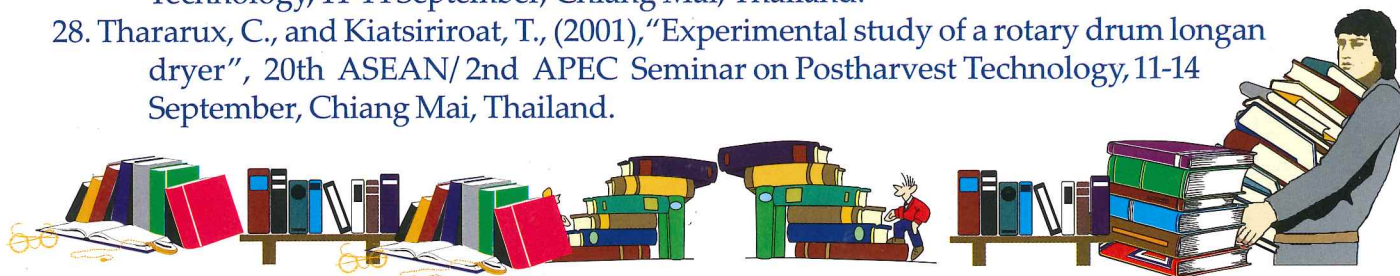


(Continued from the previous issue.)

Over the last 3 years, JGSEE staff and students have made a number of publications and presentations in various international journals and conferences. Below is the continued list of some of the papers.

18. Milindalekha J., Bashkin V.N., and Towprayoon S., (2000), "The comparison of sulphur critical loads estimated from Thai soil type and the default value from RAINS-ASIA model", Proceedings of the First Regional Conference on Energy Technology towards a Clean Environment, December 1-2, Thailand.
19. Smakghan K., Towprayoon S., and Gale G.A., (2000), "Application of country scaling factor to estimate methane emission from rice fields", Proceedings of the First Regional Conference on Energy Technology towards a Clean Environment, December 1-2, Thailand.
20. Mahatnirunkul V., and Towprayoon S., (2000), "An application of mathematics model on Pluak Daeng Project: A hydrocarbon contaminated site of Thailand", Proceedings of the First Regional Conference on Energy Technology towards a Clean Environment, December 1-2, Thailand.
21. Towprayoon S., Withers Harvey N., Jittasatra O., Kerdchuchean O., (2000), "Influence of rice variety and soil type on production and emission of methane from rice fields", Asian Journal of Energy & Environment, vol.1 issue 3, 251-262.
22. Exell, R.H.B., and Unthamsera, S., (2000), "Dynamic simulation of a solar regenerated solid desiccant air conditioning system", Proceedings of the First Regional Conference on Energy Technology towards a Clean Environment, 1-2 December 2000, Chiang Mai, Thailand, pp. 10-13.

23. Exell, R.H.B., Spaziante, P. M., and Kanchanadul P., (2000), "New vanadium batteries-A breakthrough solution for electricity storage", Proceedings of the First Regional Conference on Energy Technology towards a Clean Environment, 1-2 December, 2000, Chiang Mai, Thailand, pp. 137-141.
24. Exell, R.H.B., (2001), "The concepts of entropy and temperature and a new theory of macroscopic thermodynamics", Accepted for publication in Thammasat Int. J. Sc. Tech., 15 Jan. 2001.
25. Exell, R.H.B., and Sornkaew, P., (2000), "A computer model of a small domestic PV system in the Thai climate", Asian Journal of Energy & Environment, Vol. 1(2), pp. 99-107.
26. Adsavakulchai, S., Honda, K., Murai, S., and Noomhorm, A., (2001), "Prediction model of Japanese encephalitis cases using satellite remotely sensed data and its application to climate change impact assessment in Thailand", Presented at ECO-INFORMA 2001 session III-4 paper 4, 14-18 May, USA.
27. Dussadee, N., and Kiatsiriroat, T., (2001), "Deterioration delay of wet paddy by using thermosyphon heat pipe", 20th ASEAN/2nd APEC Seminar on Postharvest Technology, 11-14 September, Chiang Mai, Thailand.
28. Thararux, C., and Kiatsiriroat, T., (2001), "Experimental study of a rotary drum longan dryer", 20th ASEAN/2nd APEC Seminar on Postharvest Technology, 11-14 September, Chiang Mai, Thailand.



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The Joint Graduate School of Energy and Environment

King Mongkut's University of Technology Thonburi

91 Pracha Uthit Rd., Bangmod, Tungkru, Bangkok 10140 THAILAND

Tel : 02-4708309-10, 02-8729014-15 Fax : 02-4279634, 02-8726736

E-mail : ajee@jgsee.kmutt.ac.th

Prof. Dr. Chullapong Chullabodhi

Executive Editor

Ms. Prathumthip Sawangamporn

Editor

Postage here