



IMPACT

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Association of Overseas
Chinese
Agricultural, Biological, and
Food Engineers

海外华人农业、生物技术和食品工程师协会

From AOC President

Being a loyal reader of *IMPACT*, I have always been amazed by its interesting contents and fine editing quality. Many people would agree that the newsletter has indeed made an impact on our Association and, in general, on our profession. I would congratulate the editors of *IMPACT* and the Communication and Networking Committee of AOC for their achievements, which also included the establishment of a new AOC Web site at <http://www.asae.org/aoc/> and its mirror site in China.

If you observe the URL for the new AOC Web site carefully, you would find that it is located in a server of ASAE. This is because an official Cooperative Agreement between AOC and ASAE has been recently approved by both the Executive Board of AOC and the Board of Trustees of ASAE. As we have said all along, AOC is striving to make contributions to our profession through worldwide cooperation, not competition.

While developing its membership and databases, AOC is making plans for activities at its first anniversary in Chicago. A technical session co-sponsored by AOC, ASAE, and CIGR on "China Exchange" will present diverse opinions on the development of agricultural engineering in China from world-renowned scholars and leaders. An AOC business meeting will be followed by an award banquet, which will feature a speech on "success beyond degrees" and, of course, authentic Chinese food. All ASAE/CIGR conference attendees with interests in international collaboration are cordially invited to these events. The AOC Student Activity Committee is making a plan for a special dinner gathering of AOC student members. The AOC Executive Board calls AOC faculty members to provide financial support to this important event.

(See "President" on page 2)

AOC-ASAE Agreement Approved

COOPERATIVE AGREEMENT

Between The American Society of Agricultural Engineers (ASAE) And The Association of Overseas Chinese Agricultural, Biological, and Food Engineers (AOCABFE)

This Cooperative Agreement is for the purpose of clarifying cooperative arrangements between these two Societies.

Membership

1). All regular members of AOCABFE shall also be members of ASAE. ASAE will provide ASAE members, worldwide, the opportunity to be members of AOCABFE. ASAE members are not required to be members of AOCABFE.

2). Corresponding members of AOCABFE are not required to be members of ASAE. Corresponding members of AOCABFE shall be less than twenty percent (20%) of the total AOCABFE membership.

3). ASAE will maintain the computerized database of the AOCABFE regular membership and provide reports to AOCABFE upon request.

4). AOCABFE regular members will mail their dues payments to the ASAE office. Dues for the two Societies will be clearly distinguished on

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the invoice. The ASAE office will forward the invoices and payments of AOCABFE dues in batches to AOCABFE. AOCABFE Corresponding members will be billed by and send payments to AOCABFE.

5). ASAE will send the AOCABFE dues portion of funds collected by ASAE to AOCABFE on at least an annual basis less any expenses for ASAE services provided for in this agreement. An accounting of such funds and expenses shall be provided at the time of the transfer of funds.

6). Should there be insufficient funds in the AOCABFE account to cover expenses for AOCABFE services an invoice for the balance of the expense shall be sent to the AOCABFE office.

Representation

Annually, AOCABFE will provide ASAE with a list of current officers.

To enhance communication and awareness and provide input on activities as appropriate, the AOCABFE President, if a regular AOCABFE member, shall serve as a full member of the ASAE Int'l 602 Steering Committee. If the President is not a regular member, the next highest-ranking AOCABFE officer who is, shall serve in this capacity. Additionally, AOCABFE may appoint a regular member to serve as a member of the ASAE Int'l 611 International Affairs Committee and the ASAE Int'l 612 Meetings and Conferences Committee.

President

Continued from page 1

During the past months, AOC has strengthened its ties with our colleagues in China. In addition to many mutual visits, AOC is co-sponsoring an important meeting, the "Forum on Agricultural and Biosystem Engineering Development Strategy" (FABEDS-2002), which will be held in late June in Yangling, Shaanxi Province, the front line of a historical battle for "west development" in China. A large AOC delegation will interact with agricultural engineers

Charges for Services

ASAE will provide services to AOCABFE at no charge if such services would normally be provided to ASAE members. In the event that ASAE purchases or provides services that are solely for AOCABFE, the cost of such shall be invoiced to AOCABFE.

AOCABFE Papers

AOCABFE will provide five copies of each paper presented at the AOCABFE meetings, provided those papers are in English.

AOCABFE will encourage their meeting papers to be submitted on the ASAE electronic template for inclusion in the electronic publications database. Only those papers submitted in the electronic publications format, in English, not requiring major editing may be included in the technical library database. Those papers not meeting these requirements will be subject to a special inclusion charge or they will not be included in the database. Inclusion in the database will be at the discretion of ASAE Headquarters.

Expiration & Cancellation

This agreement will expire on December 31, 2007 unless reaffirmed by both Societies.

This agreement may be cancelled by either party upon submission of written notification at least one year in advance of the cancellation date.

from both Mainland and Taiwan on issues important to China and to the world. This event will mark the first meeting among agricultural, biological, and food engineers of Chinese origin worldwide. Further cooperation between AOC and our Chinese counterparts is being considered. You will read from this issue of *IMPACT* an interesting discussion among our colleagues in China and in the US on this topic.



Naiqian Zhang

AOC has been granted the tax-exempt status, as being recognized as a non-profit organization by the Internal Revenue Service.

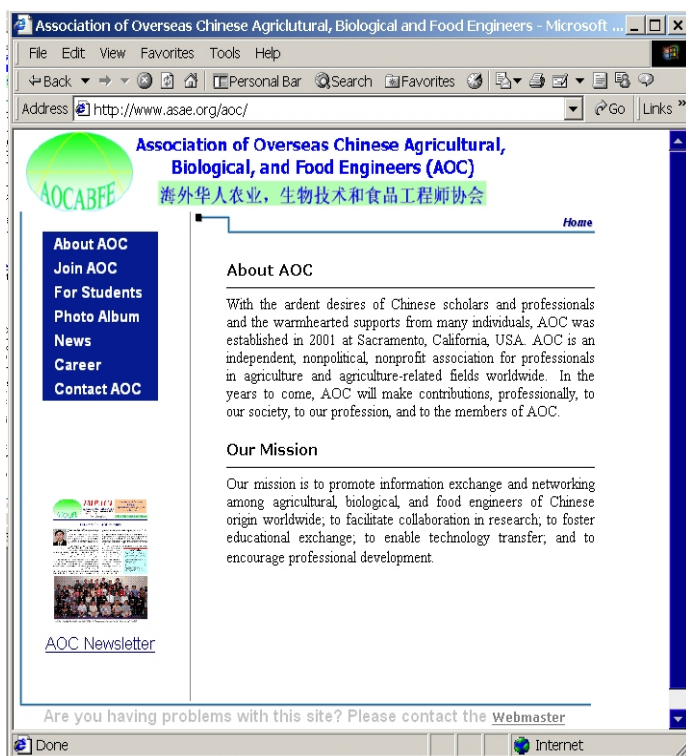
AOC Web Site in ASAE and Mirror Web Site in China

By Xin Jiannong and Houhong Wang

With the effort of the AOC Communication Committee, AOC now has a new web site at www.asae.org/aoc/. For the convenience of our readers in China, an AOC mirror web site has been setup in China. You can visit the website at <http://202.205.86.2/aoc/>. AOC continues to reach out to members and potential members through the web site and the newsletter *IMPACT*.

If you have any suggestions or want to contribute to the

development of AOC web site, please feel free to contact our webmaster.



Official AOC web site in ASAE.



Official AOC mirror web site in China.

ASAE Fellow Dr. K. C. Ting

By Lin Wang



K. C. Ting

“I would take risk of experiencing failure rather than regret later for letting an opportunity pass without a try.” Dr. K.C. Ting summarized his philosophy at the end of the first telephone interview that I have ever done.

Having been born and grown up in Taipei, Taiwan, he was eager to study at the National Taiwan University, one of the best universities in Taiwan. To be a medical doctor (MD) was his first preference when he filled his entrance examination application form. “Unfortunately”,

he ended with his 11th choice, studying power and machinery in agriculture engineering instead of medicine. It was the result of national entrance examination system that has been practiced in both Mainland and Taiwan.

In December 1975, he came to the US for his master degree at the University of Kentucky. From then, agricultural engineering became the only field of his interest, even when he got a chance to leave this field. That was when he was working at the University of Houston, Texas, after his graduation with a PhD from the University of Illinois.

Dr. Ting describes himself as a non-active student, who seldom participated in student club activities or served in a

student body. Perhaps that was because he could not find a suitable chance to use his leadership talent. But by just looking at his resume, one would be surprised to learn that he has served as department chair at every university where he was a member of faculty: University of Houston; Rutgers University, New Jersey; and The Ohio State University.

In his fifth year at the University of Houston, he was appointed as chair by the Dean. As the youngest assistant professor in the department, he felt that the appointment was “overwhelming at first.” Then he faced the challenge, and did the job. He said the most difficult task of his job was to evaluate his senior colleagues. He knew that he might not succeed every time. However, “I have been lucky,” he concluded, “up to now, I have not experienced any major failure from taking up challenging assignments yet.”

Being honored as the “Alpha Zeta Professor of the Year” of Cook College, Rutgers University in 1997 was one of the most joyful moments in his life. Cook College is a land-grant college with over 3,000 students. Generally, professors teaching basic subjects are better recognized by students because of large enrollments in the courses they teach. As a professor in Bioresource Engineering Department, he was honored because of his outstanding work he achieved in teaching. He took this recognition very seriously. “This kind of satisfaction is not quite the same with honors from other organizations.” He said. “The Alpha Zeta Professor was selected by student representatives. It is

really a pleasure to observe the positive impact a teacher can have on students; especially when you notice that students progressively internalize information and knowledge from your teaching.”

Educated under different systems and then becoming a professor himself, Dr. Ting knows the education systems very well in the US, Mainland, Taiwan and many other parts of the world. He is very much involved in promoting cooperation among scholars nationally and internationally. He thinks there are things overseas Chinese scholars can contribute to agricultural, biological, and food engineering education and research in China.

Dr. Ting has been keeping himself up to date with current technologies by editing manuscripts, when he was doing editorial work for ASAE and other journals. He also reads papers and books in other areas such as topics related to leadership and management.

“Education is a total experience. Obtaining credit hours is only a part of it.” He urges us: “Don’t miss any opportunity to learn. Interact with other people as much as you can because anyone could be your teacher even if they have opposing opinions.”



Lin Wang

Dr. K. C. Ting's Brief Biography

丁冠中博士现任美国俄亥俄州立大学食品，农业及生物工程系教授和系主任。丁教授毕业于台湾大学农工系，一九七五年底来美国，先在肯塔基大学攻读农业工程硕士，完成后进入伊利诺大学，仅用了三年时间取得农业工程博士学位。随即进入德州休士顿大学任助教。第五年被任命为系主任。一九八五年，丁教授转至新泽西州罗格斯大学，先任生物资源工程系研究生部主任，后被推选为系主任。



Dr. Ting is giving a keynote speech at a symposium in Tsukuba, Japan, October 2000.

由于多年来在教学与研究上的杰出成就，他于2001年7月获选为美国农业工程师学会(ASAE)资深会员(Fellow)。丁教授在担任新泽西州罗格斯大学生物资源工程教授和系主任期间，在生物产品的生产与处理领域的自动化与系统分析上有杰出成就。他作为项目负责人之一，参与了NASA模拟太空生存环境的研究。该项目涉及根据太空人的营养平衡和口味而进行作物生产，食品加工，以及废弃物循环处理。丁教授在机械手臂应用于生物产品生产的研究亦世界知名，并获得一项美国专利。丁教授是中国农业大学国家生物环境工程研究室的荣誉教授，曾担任多家美国和台湾公司的顾问，也曾任美台合作农业自动化与环控作物生产计划的指导者。丁教授成为ASAE会员已达二十几年，曾担任资讯与电子领域的编辑多年，亦是多个技术委员会的委员，目前还兼任出版委员会委员。他曾多次负责国际论文发表会的筹备工作，也是150多篇论文的作者或协同作者；他曾与另一教授合作主编由ASAE出版的教科书，书名为[应用于生物系统生产系统的机器人]；他曾多次获得学术上的荣誉，包括论文奖，ASAE的感谢状，同时他还是美国机械工程学会的会员，荷兰出版的[农业上的电脑与电子]期刊的编辑委员会委员，日本出版的[农业气象]期刊的指导委员，韩国出版的[农业与生物系统工程]期刊的编辑委员会委员与其他多个荣誉协会的会员。

This is adapted from a Chinese biography written by Dr. Wei Fang, a professor at the National Taiwan University.

Student Gathering Planned at ASAE Meeting in Chicago

Dear AOC Student Members:

On behalf of the AOC Student Activity Committee (SAC), we would like to express our sincere appreciation to all of you for your great support to and participation in the Association of Overseas Chinese Agricultural, Biological, and Food Engineers (AOC).

It has been eight months since the AOC inaugural ceremony was held in Sacramento, California. As you may know, a group of students from three universities voluntarily organized a Student Activity Committee to enhance communication among student members of AOC. The SAC has been working hard to recruit student members, plan student activities, and cooperate with other AOC committees. We hope that SAC will become a medium to integrate all Chinese students in the agricultural, biological and food engineering fields so that we can help each other succeed in our overseas lives.

The 2002 CIGR/ASAE meeting will be held in July 29-July 31, 2002, in Chicago. The SAC is planning to host a student gathering in a Chinese restaurant during the meeting.

We believe this is a good opportunity for student members to know each other and share our opinions to promote SAC. We are very appreciative to our AOC faculty members for their financial contributions to this activity.

Furthermore, we would like to ask you to help inform other students about this event. We would be very happy to meet more new friends at the dinner gathering. We are looking forward to meeting you in Chicago.

Please contact the SAC members if you have any questions or suggestions.

With respect, appreciation and excitement,

AOC Student Committee
Qianhong Tang <qtang@ksu.edu>,
Lin Wang <lwang@ksu.edu>,
Linsong Guo <guo1@sugar.age.uiuc.edu>,
Xinhua Jia <jia@email.arizona.edu>,
Ning Wang <wangn@ksu.edu>,
Jiantao Wei <wei@ksu.edu>

AOC Executive Board Calls for \$20 Donation from Each Faculty Member to Support the Student Dinner Gathering in Chicago

Dear AOC faculty members in North America:

The Student Activity Committee (SAC) of AOC is planning for a graduate-student dinner gathering in Chicago during the ASAE/CIGR 2002 Annual Meeting (see related story in this issue of *IMPACT*). The AOC Executive Board believes that this activity would help strengthen the communication and networking among overseas Chinese students, provide an opportunity for their professional development and, thus, support the mission of AOC. The Board would, therefore, give its full support to SAC on this activity.

To finance this event, the Executive Board calls for a \$20 donation from each faculty member. This small amount of money would support two students. The excessive amount of donations will be used exclusively by SAC for future activities. Please send your check to Dr. Ning Wang, the Treasurer and SAC Chairperson. The check should be written to "AOCABFE" with a note of "For student gathering".

Executive Board, AOCABFE

Waste to Energy Conversion – A Research Brief

By Ruihong Zhang

Food scraps, grass clippings, tree leaves, animal droppings, and crop residues are all good materials for energy production. When put together with a right mix of bacteria in an oxygen-deprived environment, these materials can be converted into biogas through a process called anaerobic digestion. Biogas contains 50-70% methane and can be used directly as fuel for cooking, heating, and electricity

generation. Biogas may be cleaned and purified to produce high-grade methane, which is a main component of natural gas. A recent article in *Technology Review* says that methane is being explored as a fuel to power fuel cells, which are the newest power generation technology. Therefore, biogas may become an important renewable fuel to power the future. Recently, the State of California has



Ruihong Zhang

issued \$10 million in grant to help dairy farmers build anaerobic digesters for harness power from cow manure. Ten cows can provide 30 kWh per day, enough to meet the energy needs of an average household in the United States.

Anaerobic digestion is not new. Chinese has used it for years. It has been reported that many small, simple, manually operating digesters are used in

China to generate gas for home cooking. What is new is the research being carried out at the University of California, Davis, where biological engineers are developing industrial-scale anaerobic digester systems that can be used to convert a variety of organic materials into biogas for co-generation of electricity and heat. Anaerobic digestion systems that are high-rate, simple to operate and easy to manage and maintain, and have reliable performance are needed to make anaerobic digestion into a mainstream waste-to-energy conversion technology. At UC Davis, innovative approaches are taken to increase the rate of bioconversion, optimize the bacteria population, and make the digester system well controlled and fully automated. One of the new anaerobic digestion technologies developed at UC Davis is called Anaerobic Phased Solids Digester (APS-Digester). The APS-Digester is specially designed for biogasification of organic solids, such as crop residues, animal waste, and food processing waste, paper sludge, and municipal solid waste. A U.S. Patent has been issued for this new technology. Currently Onsite Power Systems, a California-based company specializing in renewable energy generation, is commercializing the technology. With the investment from industry and University of California Biotechnology Program, a pilot-scale anaerobic digestion facility has been developed to support the technology transfer and further

research. The first commercial APS-Digester system will be built on a new 1900-head thoroughbred horse training farm in Boynton Beach, Florida, to convert about 350 tons of horse stable wastes each day into biogas and soil amendment product. The biogas will be used to drive several internal engine-generators with a capacity of 1.5 MW for cogeneration of electricity and hot water. The operation of the APS-Digester System assures that all of the wastes generated on the farm are recycled as reusable materials. Another full-scale APS-Digester System is being designed for California State University, Channel Island, to convert municipal solid wastes, food wastes and agricultural wastes available at the university and the Ventura County into biogas for electrical power generation. In the future, high-solid digestion systems could be in place to treat green solid wastes that are currently being disposed of in landfills.

For information about anaerobic digestion research and new digestion technologies, please contact Dr. Ruihong Zhang at rhzhang@ucdavis.edu.



Pilot anaerobic digestion system at University of California, Davis

2002农业与生物系统工程科技、教育发展策略论坛 (杨凌会议)筹备工作会议纪要

为了切实高效开好今年6月份在杨凌召开的“农业与生物系统工程科技与教育发展策略论坛暨第五次全国农业工程类专业教学改革学术研讨会”，会议组织委员会于2002年3月2日在北京中国农业大学召开了筹备工作会议。会议由中国农业工程学会名誉理事长汪懋华院士与中国农业工程学会副理事长、全国高等院校农业工程校长联谊会主席、华南农业大学副校长罗锡文教授主持。中国农业工程学会副理事长、中国农业大学副校长付泽田教授，中国农业工程设计院院长、中国农业工程学会秘书长朱明教授，中国农业工程学会副秘书长王德成教授，中国农业工程学会农机学会教育委员会、院系负责人联谊会主席毛志怀教授，华南农业大学工程学院院长区颖刚教授，西北农林科技大学机电学院原院长杨青教授，西北农林科技大学机电学院院长郭康权教授，西北农林科技大学机电学院书记薛少平副研究员，中国农业工程学会青年委员会主席韩鲁佳教授，中国农业工程学会管小冬秘书等有关同志参加了会议。

会议的主要议题如下：

1. 主办与组织单位汇报筹备工作进展情况
2. 进一步审议会议议程与会议组织方式
3. 研讨如何提高学术与改革问题的研讨交流水平及应采取的措施
4. 关于海外学者和台湾学者与会接待有关事宜，会议前后海外学者的学术考察交流活动
5. 2002中国农业工程学会青年科技工作者学术会议有关事宜
6. 会议赞助费的筹集工作
7. 进一步作好筹备工作与争取有关主管部门支持指导的措施

会议开始，汪懋华院士就杨凌会议的意义、任务以及如何开好本次筹备会作了指导性的发言；与会代表听取了主办单位西北农林

科技大学关于会议筹备工作进展的汇报；在此基础上代表们充分交换了意见，详细认真地讨论了上述会议的主要议题，并达成了以下共识和决议：

1、2002杨凌会议是本世纪第一次集海内外和台湾学者共同研讨21世纪中国农业工程(含生物系统和食品工程)科学技术、教育改革发展战略的一次盛会，在中国正式加入世贸组织和规模启动西部大开发的今天，有重要的历史和现实意义。

2、会议主题应密切关注国家经济建设的主要问题，结合中国的实际通过和比较，深入探讨本学科的发展战略，商讨在科技、教育方面应对加入WTO挑战和经济全球化的策略，以及如何进一步与世界接轨并尽快赶上世界先进水平等问题。在深入研讨基础上，会议应在农业工程学科科技发展及教育改革等方面形成一些建议草案，提交政府有关部门决策参考。

3、主题报告的内容和组织是会议成功与否的关键。为将本次论坛开成高水平的研讨会，会议组委会将邀请农业部、教育部等有关领导及海内外各学科领域专家作有关形势和学术主题报告，精心组织好大会发言和分组讨论。

4、进一步具体化了会议报告和论文征集的内容及学科领域，包括如下10个方面：

- 1) 中国农业科技发展战略
- 2) 中国农业机械化发展问题
- 3) 农业工程与可持续发展
- 4) 水资源保护与利用
- 5) 设施农业
- 6) 农业工程与西部开发
- 7) 农产品加工与食品工程
- 8) 农业资源与环境
- 9) 农业信息工程
- 10) 农业与食品工程

5、大会组委会及承办单位西北农林科技大学，将积极配合AOC争取国内有关部门资助AOC成员回国参加会议的国际旅费问题。

6、会议组委会将邀请台湾学者以个人身份参加会议并作有关主题的大会发言。

7、杨凌会议日程确定为2002年6月25~30日，24日(星期一)报到，正式会议3天，参观考察3天。

8、“中国农业工程学会青年科技工作者会议”于2002年6月23日(6月22日报到)在北京召开，杨凌会议紧接北京会议，两会将联合发布会议通知。

2002农业与生物系统工程科技、教育发展战略论坛筹备委员会

2002年3月10日

2002农业与生物系统工程科技、教育发展战略论坛

一、会议主办单位

1. 中国农业工程学会
2. 全国高等院校农业工程校长联谊会
3. 海外华人农业、生物技术和食品工程师协会(AOCABFE)

二、会议协办单位

1. 国务院学位委员会农业工程学科评议组
2. 农业部教育指导委员会农业工程学科组
3. 中国农业工程学会教育委员会
4. 中国农业机械学会教育委员会
5. 全国高等院校农业工程院系负责人联谊会

三、会议承办单位

西北农林科技大学

四、会议组织委员会

主任：汪懋华
副主任：罗锡文 李靖 张乃迁 杨秀生
委员：朱明 傅泽田 赵匀 张百良
马成林 熊运章 佟金 张森文
张文立 张长利 张波 魏益民
杨青 康绍忠 丁冠中
Ramesh Kanwar 张强 阮荣生
陶阳 唐炬明 张瑞红 辛建农 李彦宾
洪延康 田磊
顾问：曾德超 蒋亦元 山仑
秘书处：
组长：赵忠
成员：薛少平 郭康权 蔡焕杰 杨中平
辛全才 杨公明

AOC Activities at 2002 ASAE/CIGR Meeting

By Hongwei Xin

Association of Overseas Chinese Agricultural, Biological, and Food Engineers (AOCABFE) is to convene on Tuesday, July 30, 2002, 7:00 PM to 10:00 PM.

Since its inauguration last August, the newly established AOCABFE has been busy getting things off to a good start. A number of exciting activities and events have resulted from these efforts during the past year, and many more are being planned. Come to this first anniversary meeting to learn about the highlights of these activities, the status of the Association, and its future perspectives; and more importantly, to offer/share your vision concerning its

growth, development, and mission implementation. The business meeting and election of 2002-2003 officers slate (7-8 PM) will be followed by a social gathering and faculty-students interactions (at a local Chinese restaurant, 8-10 PM), which will feature an intriguing seminar on "Success Beyond Degrees" by Dr. Ping Yang. All ASAE/CIGR conference attendees with interests in international collaboration are cordially welcome!



Hongwei Xin

A Seminar on Success Beyond Degrees

Have you wondered what made Henry Ford, Thomas Edison, Andrew Carnegie, Walter Chrysler and many others the most successful men of the 20th century? Do you want to succeed in your life? What is a true success? Are you searching for tried and true principles to achieve personal success? If you answered "yes" to any of the above questions, this seminar is for you!

Inspired by Andrew Carnegie, Dr. Napoleon Hill devoted 20 years of his life to studying over 500 successful

people. Next, he organized the only comprehensive philosophy of individual achievement ever written.

His philosophy was summarized into 17 success principles that have changed millions of people's lives. In this seminar, you will have an opportunity to have an overview of Dr. Hill's Philosophy of Success.

Ping Yang, Ph.D.

Interactions Between AOC and its Chinese Counterpart

Professor Baoji Wang of China Agricultural University sent Dr. Naiqian Zhang a letter outlining suggestions on further strengthening the cooperation between AOC and our colleagues in China. Dr. Yuanhui Zhang of University of Illinois responded to the letter on the citation issue via email. We include these two letters on the newsletter. You are welcome to respond and comment on these issues.

张教授：

您好！

首先祝您马年吉祥，马到成功！

本周我们新学期又开始了，我们想做的第一项工作就是如何实现去年您到北京期间与傅泽田副校长的谈话精神，傅校长对学校今后与AOC的联系也很关注，去年放假前和今年开学后均问过此事。我在假期也做了一些思考，我想我们是否可以先实施下面2项工作：

1. 有关AOC网站在我校建立镜像站点问题。

辛建农博士近日给我发来了电子邮件，我也登录到ASAE服务器上浏览了AOC的网站，效果不错。我建议辛建农博士将AOC网站的所有文件（材料）打包发送给我，一旦我收到这些材料后，我将在我们的服务器上建立AOC镜像站点，并通过中国农业工程学会等有关机构向国内同行公布网站地址。由于国内人员登录国际网站不仅费用高，而且速度也很慢，因此在不是十分必要的情况下，一般不浏览国外网站的内容。而教育系统浏览国内网站都是免费的，AOC在我校建立镜像后，将可大大提高其在国内的知名度。这项工作的实施还希望您能在百忙之中关注一下。

2. 有关协助我校具有较高学术价值的论文在三大检索工具所收录的刊物上发表的问题。

目前国内有关方面对被国际三大检索机构（SCI、EI、ISTP）所收录的学术论文的重视程度越来越高，已经成为衡量一个学校科研水平的重要标志之一。而国内有关刊物，尤其是农业工程方面的刊物被三大检索机构收录的几乎没有，因此，要争取有更多的论文能被这三大检索机构所收录，必需增大在有关国际刊物上的论文发表数量。

去年傅校长在与您的谈话中谈到：近年来，随着学校对科研工作的不断加强，我校的学术科研水平取得了长足的进步，每年都有一大批高质量的学术论文产生。由于各方面的原因，这些高质量的学术论文在三大检索工具所收录的学术刊物上发表较少，影响了外界对我校学术水平的正确评估。为使我校教职员工的科研成果能得到大家的公认，学校希望能与AOC合作，在AOC的协助下，争取使更多具有较高学术水平的论文能在有关国际刊物上发表。

本项工作拟由我馆（AOC北京联络处）在学校科研处等部门的支持下，成立专门机构，由专人负责协调有关学术论文的发表代理。放假期间，我查询了这三大检索机构所收录的期刊杂志情况，发现EI（The Engineering Index, 工程索引）中所收录的有关农业工程的期刊主要有：Canadian Biosystems Engineering（加拿大生物系统工程，原 Canadian Agricultural Engineering 加拿大农业工程，由加拿大农业工程学会出版）；International Agricultural Engineering Journal（国际农业工程杂志，由亚洲农业工程学会出版）；Applied Engineering in Agriculture（农业应用工程，由美国农业工程学会出版）；Transactions of the ASAE（美国农业工程学会学报，由美国农业工程学会出版）；Journal of Agricultural Safety and Health（农业安全与健康杂志，由美国农业工程学会出版）。SCI（Science Citation Index, 科学引文索引）中所收录的有关农业工程方面的期刊主要有：Canadian Biosystems Engineering（加拿大生物系统工程，原 Canadian Agricultural Engineering 加拿大农业工程，由加拿大农业工程学会出版）；Biosystems Engineering（生物系统工程，原 Journal of Agricultural Engineering Research，由位于英国伦敦的学术出版社出版）；Applied Engineering in Agriculture（农业应用工程，由美国农业工程学会出版）。ISTP（Index to Scientific & Technical Proceedings, 科技会议录索引）中没有发现有关农业工程方面的学术论文文集被收录其中。

不知AOC是否有人在上列刊物中担任编委，或与上述刊物的编委有较好的业务联系。我们想首先以这几种刊物为重点投稿对象，当然如果您认为还有其它刊物可以作为投稿对象更好。我想开展此项工作的具体程序如下：

- 一、以东区图书馆（AOC北京联络处）为中心，成立学术论文发表代理办公室，具体负责论文发表过程中与作者本人AOC等有关方面的联系。
- 二、由学校科研处等有关方面成立学术论文预审小组，对作者所提交的到图书馆的论文（中英文均可）进行预审，对认为具有较高学术价值的论文交图书馆进行下一步操作，否则退回作者本人。
- 三、图书馆将具有较高学术价值的论文提交AOC学术委员会预审（希望AOC能成设专人负责此项工作），根据AOC有关专家在海外工作的经验及与有关刊物编委的讨论，确定该论文在学术水平上是否有可能在上述刊物上发表，并将其评审结果返回图书馆。
- 四、对有可能在上述刊物上发表的论文，图书馆通知作者本人负责论文的翻译，并将英文稿（含图表）送交图书馆。
- 五、图书馆将作者所提交的英文文稿根据各刊物的要求进行

版式编排，并将编排好的稿件发送AOC学术委员会。

六、 AOC学术委员会根据各刊物的要求对论文进行必要的文字修改，使之符合发表规范，并向有关刊物投递，关注其收录结果。同时将投递到有关刊物的论文修改稿发送到图书馆。

七、 图书馆将重新编辑修改过的论文返回作者，并将收录结果及时向作者通报。

对于论文代理过程中的有关费用问题，我有以下的初步考虑：

由于这项工作的开展涉及到海内外众多的人员参加，因此需要一定的费用支持，为促进本项工作的顺利开展，拟采用作者本人、学校有关方面和图书馆共同承担的方式进行。

1. 对作者提交的每篇论文，收取100元左右的论文评审费。
2. 如果论文最终被上述有关刊物发表，每篇收取2000元左右

的论文代理费。

3. 论文发表费由作者本人承担。

4. 如果AOC认为作者本人翻译的英文质量较差，须做较大的修改或重新翻译，则需支付有关翻译费用，具体费用由AOC与图书馆和作者本人协商。

傅校长希望我们能与AOC做好联络沟通工作，争取使第2项工作能在本学期开展起来。我认为，如果此项工作能较好地开展起来的话，不仅可以提高AOC在国内农业工程界的知名度，同时可以增加AOC的部分活动经费。而且肯定会受到国内学者的积极响应。

以上只是本人的一些初步设想，建议妥否，请指示。

王宝济

2002/2/28

28 Feb 2002

Naiqian and Baoji,

The 'citation' issue has been a long-time concern of many colleagues in China, not only of Ag Engineering, but many other scientific areas such as Mathematics and Physics.

One of the primary limitations for lack of 'publishable' papers in those referred journals is the lack of 'vision', i.e., the selection of the research topics. If the topic is obsolete, it is not likely publishable because you are reinventing the wheel -- no matter how polished the wheel is. I believe the research capabilities and resources in China have great potential to produce high quality research papers, provided the research is 'publishable', even before it is conducted. Translation or evaluation of finished research papers are sort of too late and can be very time-consuming. They may only provide cosmetic polishing, not critical to whether it is publishable. In that regard, AOC may have a much greater impact if it engages in the early stages of research -- if our colleagues in China agree. Those engagements may be at the levels of respected committees or interested individuals.

I would not accept any fees for reviewing papers. This can be very demoralizing and can damage the images of our colleagues in China and ourselves in the eyes of profession. Paying fees for certain expenses, such as travel and intensive editing, is reasonable.

Food for think: Why should we stride for making "Journal of Chinese Agricultural and Biological Engineering" an EI (or SCI, or ISTP) included publication? Sounds a far-fetched? But look at Canadian Agricultural Engineering, they only have 455 members across the country! AOC may soon surpass the critical mass of that! To do this, we must unite as a profession, at least nationwide, and provide a mechanism to produce a high quality Journal.

I would suggest that the Chinese Agricultural and Biological Engineering (CABE) be published in Chinese, but with an English Abstract in front of each paper, and distribute the journal to some key institutions worldwide. This can help to bridge the language gap. Many non-English publications do that way -- including Russian. These EI, SCI, or ISTP stuff are primarily English publications, and CABE will never be the main stream of them. Publishing in these EI listed journals may help someone for promotion to professorship in short term, but may not be much helpful to the international stature of CABE in long term.

Dr. Yuanhui Zhang

Department of Agricultural Engineering
University of Illinois at Urbana-Champaign
Urbana, IL 61801

Executive Board Meetings Convened in January-February

By Jiannong Xin

AOC Board held two monthly meetings last quarter and has formulated the following rationalizations and decisions.

- AOC and ASAE Boards have approved the revised Cooperative Agreement between AOC and ASAE. The agreement will be officially signed during ASAE Annual Meeting in Chicago in July.
- AOC Board and Meetings and Conferences

Committee are making a collective effort to prepare AOC activities during 2002 ASAE/CIGR meeting. AOC will organize a joint session entitled "China Exchange" with CIGR and ASAE International Meetings and Conferences Committee. Proposed AOC activities during the meeting include: 1) AOC business meeting, 2) AOC election, 3) faculty student interaction, and 4) AOC award banquet.

AOC Student Activity Committee will organize a student dinner gathering during ASAE/CIGR meeting in Chicago.

- AOC is a co-sponsor of the International Agricultural Engineering Conference held in November 2002, Shanghai. The conference is sponsored by AAAE.
- AOC's application for tax-exempt status has made progress. IRS recently requested a copy of AOC Constitution signed by two members of the AOC governing body. AOC Board authorized Naiqian and another board member of AOC to sign this document in order to move the application forward.
- The Board is working with organizers in China on Yangling meeting. AOC will send a delegation to

attend this meeting.

- With the Agreement between AOC and ASAE, AOC web site is now hosted by ASAE.
- AOC Board has reached a consensus of Chinese name of AOC: "Haiwai Huaren Nongye, Shengwu yu Shipin Gongchengshi Xiehui" or 海外华人农业、生物与食品工程师协会.
- AOC Membership Development Committee will develop a membership expertise database. This database will be available to all members after its completion.



Jiannong Xin

College Dean of Jilin University Signs Agreement with Kansas State University

By Lin Wang

Dr. Jin Tong, Dean of Biological and Agricultural Engineering (BAE) College of Jilin University has recently signed a Cooperative Agreement with the BAE Department of Kansas State University in Manhattan, Kansas. Dr. Tong has just completed a successful, three-month visit to KSU as a Senior Visiting Scholar and returned to China. During his visit, he worked with Dr. Naiqian Zhang, his host at KSU, and Dr. James Koelliker, the Department Head, on the agreement.

Cooperation covered by the agreement included plans for exchanges of research faculty; postgraduate courses, conferences, seminars, or lectures; and collaborative research projects. As a direct result of this agreement, Dr. Jianqiao Li, Associate Dean of the College in Jilin, will work at KSU for six months. A return visit of Dr. Koelliker and Dr. Zhang to Jilin University in July is expected to result in more substantial plans for cooperation between the two institutions.

A Yangze-River Scholar, Dr. Tong is well known for his work on bionics for soil-engaging components. He is leading a national key research laboratory. He is also a leader of

Chinese Society of Agricultural Machinery and serves on the Editorial Boards of several prestigious, world-class scientific journals.



Dr. Tong and Dr. Koelliker sign the Agreement.

AOC Graduate Student Awards Established

Proposal: Establishment of a Graduate Student Awards Program within AOC.

Rationale: To recognize outstanding graduate students for their scholarly accomplishments, and leadership and service to AOC and their profession.

Types of Awards: 1) Graduate Scholarly Achievement award and 2) Graduate Leadership and Service Award.

Graduate Scholarly Achievement Award

Award: Every award winner will receive a certificate and a \$100 cash prize.

Program Administration:

AOC member graduate students shall be nominated with a letter of less than three pages describing their scholarly accomplishments and their impact. The nomination should be sent, by email, to the attention of Chair of AOC Professional Development and Awards Committee (PDAC) by the annual deadline of May 15. The PDAC will make their selection by May 31 and the award will be presented at the AOC annual meeting. This is a one-time award. Students who have received the award are not eligible for another consideration under the same category.

Candidates' qualifications will be evaluated based on their performance of in-class, research, and outreach activities. The following criteria and other scholarly achievements will be used to evaluate the candidates: 1) Academic performance (current year and trends over the year); 2) Scholarly activities including: publication (journal articles, factsheets, software, web pages, ... etc.), presentations (oral, poster, mass media presence), grant proposal, invention disclosure; and 3) Participation in professional activities (conferences, professional societies).

Graduate Leadership and Service Award

Award: Every award winner will receive a certificate and a

\$100 cash prize.

Program administration:

AOC member graduate students shall be nominated with a letter of less than two pages describing their leadership and service contributions to AOC and his/her profession. In addition, the candidate should prepare a one page essay on "how can we improve graduate student involvement in advancing the goals of AOC." The nomination should be sent, by email, to the attention of Chair of AOC Professional Development and Awards Committee (PDAC) by the annual deadline of May 15. The PDAC will make their selection by May 31 and the award will be presented at the AOC annual meeting. This is a one-time award. Students who have received the award are not eligible for another consideration under the same category.

Candidates' qualifications will be evaluated based on their contribution to advancing the goals of AOC and their profession. The following criteria and other leadership and service credentials will be used to evaluate the candidates: 1) Graduate student recruitment and promotion of AOC and its programs; 2) Showing hospitality and mentoring new AOC student members; 3) Organizing extracurricular (social) activities; 4) Providing leadership and/or assistance to AOC and other professional committees; 5) Improving communication between graduate students and others in AOC; 6) Participating in and providing support for AOC activities; 7) Leading and participating in programs and activities at their home institutions and other professional societies.

*For this year's awards, please send your nominations to Dr. K. C. Ting at ting.14@osu.edu before **May 15**.*

Editor's Note



Chenghai Yang

This is the third issue of IMPACT and the first one to be published in 2002. We are pleased that the previous two issues have been well received. This issue highlights some of the accomplishments and progresses made by AOC in the last three months, including the approval of the AOC-ASAE agreement and the establishment of the official AOC web site in ASAE and a mirror web site in China. Also included in the issue are a story on Dr. K. C. Ting by our associate editor Lin Wang, highlights on Dr. Ruihong Zhang's research, and important information about the upcoming ASAE/CIGR annual meeting in Chicago and Yangling meeting in China. We will provide more detailed

information about planned AOC activities during the ASAE meeting in the next issue. As always, we thank those of you who have contributed articles and provided materials for the newsletter. IMPACT is published by the Communication and Networking Committee of AOC to communicate news and information important to its members. We encourage article ideas and story submissions from all the members. Your involvement and cooperation are very important. The fourth issue of volume 1 of the newsletter will be published at the end of June 2002. Please send your comments, suggestions, and any materials for inclusion in the next issue to me at cyang@weslaco.ars.usda.gov or to Ms. Lin Wang at lwang@ksu.edu. If you need to contact us by regular mail, phone or fax, my contact information is Chenghai Yang, USDA-ARS, 2413 E. Highway 83, Weslaco, TX 78596, Tel: 956-969-4837, Fax: 956-969-4893.

Call for Nominations

The nomination committee of the Association of Overseas Chinese Agricultural, Biological, and Food Engineers (AOCABFE) is seeking nominations for the following board positions:

- President
- Vice President
- At-Large Board members (2)

Please fill out the attached nomination form (one for each nominee) and return it to Qiang Zhang by email (zhang@ms.umanitoba.ca) or fax (204-474-7512). Nominations must be received by **May 1, 2002**.

NOMINATION FORM

Nominator _____ Signature _____

Nominee Information:

Name: _____ Title: _____

Affiliation: _____

Phone: _____ e-mail: _____ Fax: _____

For: ___ President ___ Vice President ___ At-Large Board Member

If possible, please attach a brief cv of the nominee and a statement from the nominee indicating that he/she is willing to hold office if elected.



Association of Overseas Chinese Agricultural, Biological, and Food Engineers (AOC)

海外华人农业, 生物技术和食品工程师协会

AOC Student Members

You Are Invited to a Free Dinner

Who

AOC Student Members only.

If you are not an AOC member yet, please apply now at www.asae.org/aoc/,
or,
bring your application form and annual due (\$5) to the dinner!

When

5:30pm, July 29, 2002

Where

New Three Happiness Restaurant*

新三喜酒楼

Tel: 312-791-1228

2130 S. Wentworth, China Town, Chicago, IL 60616

Schedule

5:30pm – 6:00pm: Registration & Social

6:00pm – 6:30pm: Guest Speeches

6:30pm – 9:00pm: Dinner

**Please contact Linsong Guo at guo1@sugar.age.uiuc.edu before July 15, 2002,
if you are planning to come.**

* You can go to the restaurant directly, or meet us in the lobby of the Hyatt Regency Hotel at 5:00pm.