



Greetings from the President of IAMFE

By Professor Shang Shuqi

Dear leaders, members and friends of IAMFE,

On June 25-27, 2014, IAMFE's 50th Anniversary Celebration activities which were arranged by the Swedish and the Norwegian IAMFE branches had successfully held in Sweden and Norway. I am very grateful for the excellent arrangements of Swedish and the Norwegian IAMFE branches for the IAMFE's 50th Anniversary Celebration, and thanks very much for the support of Norwegian University of Life Sciences and Swedish University of Agricultural Sciences. A 10 persons' Chinese delegation attended the important event. I was very pleased to meet so many IAMFE members and old friends in Sweden and Norway during the celebration June 25-27.

I regret very much that the Founder of IAMFE, Professor Egil Oyjord, was absent during the Celebration of IAMFE's 50th Anniversary. Unfortunately, Professor Oyjord had an accident on June 23 when he helped in the preparations for the exhibition of historical machinery and equipment for the celebration. To my pleasure, Professor Egil Oyjord has reported a very fast recovery. He has driven his car since August 1. My best wishes to Founder of IAMFE.

It is less than two years before the 15th IAMFE's Conference/Exhibition. During June 25-27, 2014, IAMFE's 50th Anniversary Celebration, Mr. Torbjørn Leuchovius and Dr. Vladislav Minin had a proposal that 15th IAMFE's Conference will be held in Finland. The Executive Committee of IAMFE has approved the proposal that Finland will arrange our conference in 2016. Dr. Vladislav Minin had visited China and participated in the XVI CIGR Congress which held in Beijing, China during September 16-19. I and Dr. Vladislav Minin and the Executive Secretary of IAMFE, Dr. Wang Jiasheng had a good opportunity to discuss the IAMFE issues. Dr. Vladislav Minin has visited Finland and discussed with the persons who would be responsible for a possible IAMFE Conference in 2016. He has recently reported that Finland cannot take a decision to arrange our conference before January 2016. In the meantime Ukraine has reported their interest to arrange an IAMFE conference. You will be informed about the outcome of this matter.

Thank you again for your work for IAMFE. My best wishes for a happy Christmas and New Year to you and your families!

China, November 2014.

Shang Shuqi

Greetings from the Founder and Honorary President of IAMFE

By Professor Egil Øyjord

Dear leaders, members and friends of IAMFE,

Those of you who participated in the celebration of IAMFE's 50th Anniversary in Norway and Sweden knows that I was unhappy and broke my thigh bone when I assisted in the preparations for the machinery exhibition. On the great day of June 27, I was in hospital and could not participate in the celebration together with you as I wanted.

I am very pleased that I am on my feet again and can drive my car and take part in all professional meetings and social events I wish to attend.

I wish to express my gratitude to the Chairman of the organizing committee, Dr. Anders Heen, retired Director of the Norwegian Agricultural Advisory Service, and the members of the organizing committee. The video I have is showing that the seminar and the exhibition were carried through in an excellent way.

I also wish to express my gratitude to the President of IAMFE, Prof. Shang Shuqi and the Executive Secretary of IAMFE, Prof. Wang Jiasheng for carrying through the program of awarding diplomas to our main helpers who have helped to secure that IAMFE has become 50 years.

Last but not least, I wish to thank Mr. Torbjorn Leuchovius, publisher of IAMFE News, for arranging a celebration of IAMFE during the "Borgeby days" on June 25th and 26th in Sweden.

I recommend you to visit Google and write NewTubeEgil Øyjord. You will find videos from the International IAMFE/Czechoslovakia'72 and the IAMFE/Netherlands'80 conferences as well as two videos showing my plot seeders in operation in Norway. One of these videos named Øverjordet shows a movie I made in 1982, when Mr. Erling Øverjordet, leader of a "Norwegian experimental ring", on a Sunday, when his assistant had free, used his eleven year old daughter as his helper. With my self-propelled, walking type plot seeder, 40 plots were drilled in 16 minutes. Between 1978 and 1990, 33 such seeders manufactured by Wintersteiger, Austria, were imported to Norway for drilling plots in the farmer fields.

Two short videos are showing testing of a Chinese made copy of my tractor mounted plot seeder I sent to China as a gift in 1996.

With my best wishes for Christmas and the New Year,

Norway, December 2014.

Egil Øyjord

Report to IAMFE News from Russia.

By Vladislav Minin, Vice President of IAMFE

In 2014, significant work was carried out by the Russian branch of IAMFE. We promoted experimental work in Russia and established a closer international cooperation. Special attention was paid to the development of ecological field studies, and we promoted the ideas of organic agriculture. It should be noted that Russia is in a process of reorganization its system of scientific organizations. The Russian Academy of Agricultural Sciences has become a part of the Russian Academy of Sciences. Activities of property management, which has helped scientific institutions to improve efficiency, is now assigned to the Federal agency of scientific organizations. In the near future all scientific institutions will be certified based on which they will be assigned to different categories (federal or regional level, or transfer to the private sector).

The North-West Research Institute of Agricultural Engineering and Electrification has changed its name to: “Institute of Agroengineering and Environmental Problems of Agriculture” and is working on certification.

In 2014, a project was developed to organize modern field experiments at the institute. It is planned that the cooperative and demonstration experiments will be established and maintained at the experimental field. The information space will be formed and modern technique with GPS will be used. This year, small plot experiments with potatoes and fruit crops were started.

March 19 – 21, 2014, St. Petersburg hosted the meeting of the XV International Environmental Forum "Baltic Sea Day". The Russian Branch IAMFE took an active part in organizing the schedule and the work of section "Creating the conditions for the transition to environmentally sound agricultural practices and the protection of water bodies from nutrient load from rural areas." More than 130 persons attended a two day meeting and we discussed themes which included “Conducting field experiments on organic agriculture” and the results of “Precision farming experiments”.

In the first half of the year, work was carried out in preparation for the 50th anniversary of the founding of IAMFE. Four representatives of Russia took part in the commemoration of this event. Information about the work of the Russian branch of IAMFE was presented at the seminars in Sweden and Norway, and was placed on the stand. All members of the Russian delegation were impressed by the exhibition of agricultural machinery in Sweden. Particular interest was shown in the exhibition of historical machines and equipment used in field experiments in Norway during the last 50 years. We are very sorry that Professor Egil Øyjord, founder of IAMFE, could not take part in this important event. Unfortunately he broke his hip bone in preparing for the exhibition four days before the Norwegian celebration.

Dr. Vladislav Minin was invited by Professor Shang Shuqi, President IAMFE to take part in the 18th World Congress of CIGR which was held in Beijing, on Sept. 18-20, 2014.

Dr. Vladislav Minin presented a report “Concept of Modern Experimental Field for Agroecological Research” where the idea of future field experiments in his Russian institute was described. After the Congress, Dr. Vladislav Minin visited Qingdao Agricultural University where an agreement on cooperation between this University and the Russian institute concerning field experiments was discussed and signed. Dr. Vladislav Minin also presented a lecture concerning environmentally friendly agriculture and Environment protection in the Baltic Sea region for the students of Qingdao Agricultural University.

We are preparing for the arrangement of the XXXVI CIOSTA conference which will be held May 26-28, 2015, in Saint Petersburg.

Section V CIGR works in collaboration with the “Commission Internationale de l’Organisation Scientifique du Travail en Agriculture” (CIOSTA), which was established in 1950 as a professional non-profit organization aimed for development of agriculture economics with a focus on agricultural production systems, processes automation and quality control, labour economics and ergonomics and safety. For the first time in its 60 years of existence, the CIOSTA and Section V CIGR conference will take place in Russia. Scientific partners of the conference are Saint Petersburg State Agrarian University, the Institute of Agroengineering and Environmental Problems of Agriculture and Saint Petersburg State Forest Technical University, also participating North-West Scientific Center of the Russian Academy of Agricultural Sciences and Association for Assistance of Field Research and Development of Rural Territories. CIOSTA-2015 President is Prof. Vladimir Popov; Vice-Presidents are Victor Efimov, Andrey Selikhovkin and Sergey Shirokov. CIOSTA top manager is Valeriy Belyakov.

A special section will be devoted to field experiments. IAMFE members are very welcomed!



Pictures:

1. Professor Shang Shuqi and Dr. Vladislav Minin at the stand of Qingdao Agricultural University on the 18th World Congress of CIGR
2. Dr. Vladislav Minin presentation on the 18th World Congress of CIGR
3. A Historical Exhibition of Machinery for Field Experiments was arranged in Norway.
4. Signing of an Agreement of Cooperation between Qingdao Agricultural University and the Institute of Agroengineering and Environmental Problems of Agriculture and the Saint Petersburg State Agrarian University.

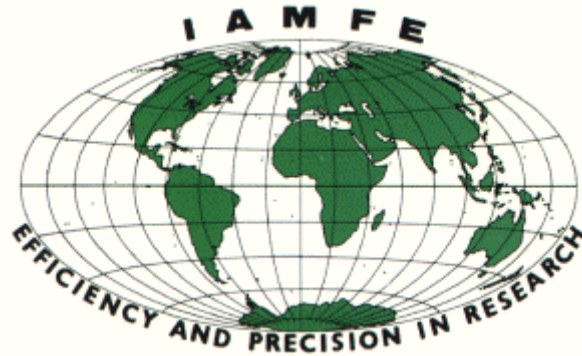
St. Petersburg, Nov. 14, 2014
Vladislav Minin

The IAMFE events in Sweden and Norway during 2014

To celebrate the IAMFE anniversary the Swedish and the Norwegian IAMFE branches arranged the following events during the period 25-27 June, 2014

IAMFE

The International Association on Mechanization of Field Experiments



IAMFE 1964 – 2014

Exhibition and seminars celebrating IAMFE's 50th anniversary

June 25 – 26 Borgeby Fältdagar, Bjärred, Sweden

In connection to the Borgeby Field days there will be an exhibition of new machinery, equipment and instruments to increase the capacity and the accuracy of experimental work. There will also be arranged a seminar regarding Information and control systems in field experimentation.

June 27 Norwegian University of Life Sciences, Ås, Norway

On Friday June 27 there will be an arrangement on the site for establishing IAMFE in 1964. There will be a seminar celebrating the founding of IAMFE and focusing on the important role that field experiment have played to the development of the agricultural production.

In connection to the seminar there will also be an exhibition containing experimental equipment used in Norway for the last 50 years. There will also be possible to present new equipment at Ås, but Borgeby will be the main arena for new equipment.



Hushållnings
sällskapet



NLR / Bioforsk / UMB

Bioforsk



SLU/Fältforsk



VFL/Agrotech

Borgeby Field days



Borgeby Field days 2014 hit new records. The number of visitors were (sum for both days) 19.900. More than 350 exhibitors participate. The organizer of the show is HIR Malmöhus AB.

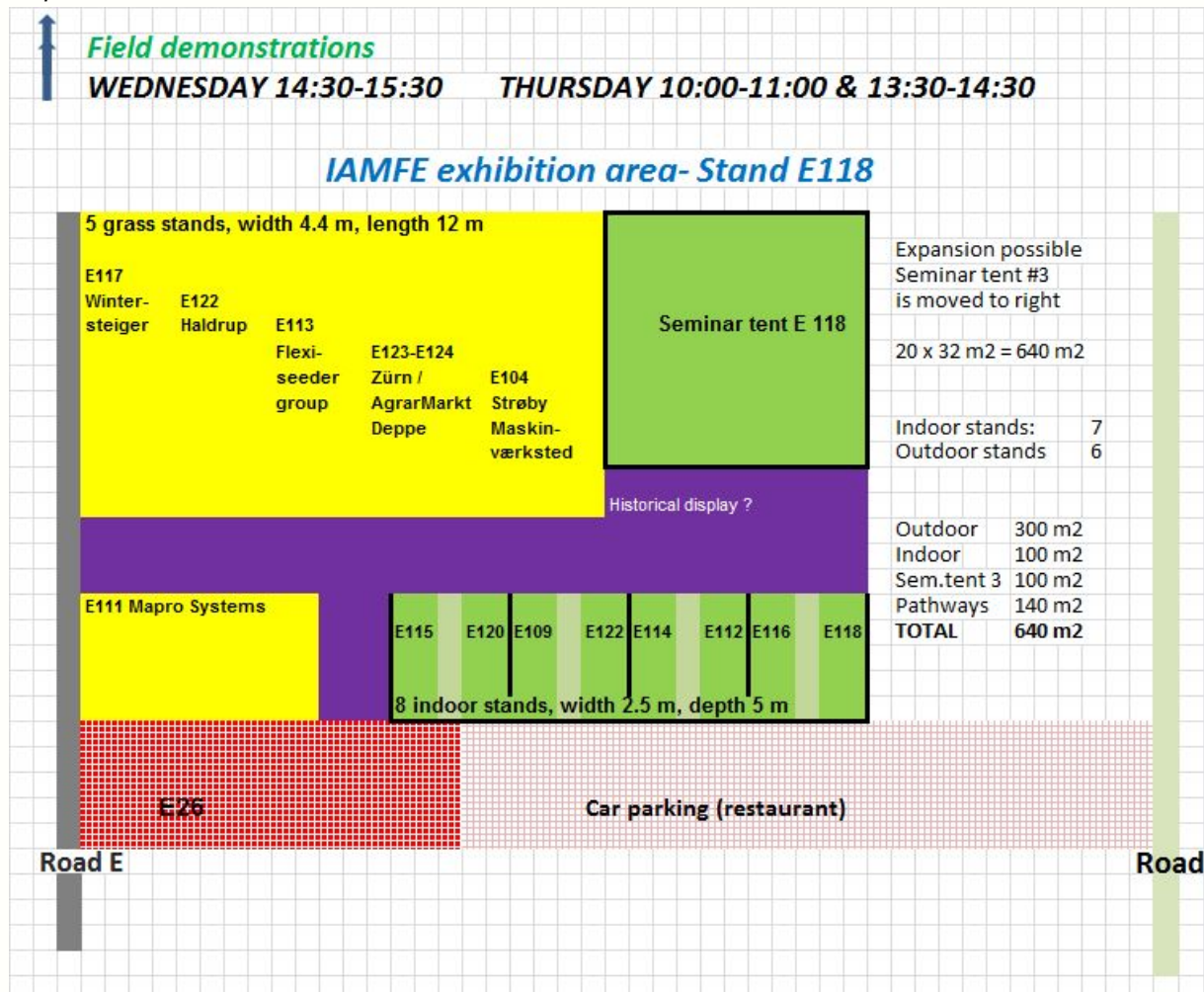
The IAMFE 2014 show at Borgeby Field Days was very centrally located in an area of approx.. 640 m². The area had a tent area with floor, 100 m², for indoor exhibitors. There was an seminar tent as well, 100 m².

The IAMFE 2014 event at Borgeby Field days was sponsored by SLU and Hushållningssällskapet Malmöhus (Sweden), NLR, Bioforsk and UMB (Norway) and VFL and Agrotech (Denmark).

There were no participation fees. The visitors paid only the general entrance fee (approx. EUR 20 for two days). Exhibitors paid a registration base fee of: EUR 860. In addition they paid 7.25 EUR per m² outdoor/grass space (minimum 50 m²) and/or EUR 600 for a 10 m² indoor stand.

Field demonstration areas (included in grass plot area) with early ripened winter barley, ley/grass and open harrowed land

Map of the IAMFE 2014 area



The exhibition had 13 participants from 7 countries. Field demonstrations were carried out with plot seeders and plot combines.

There were 7 outdoor exhibitors: Wintersteiger (Austria), Haldrup (Germany), Zürn (Germany), AgrarMarkt Deppe (Germany), Flexiseeder Group (New Zealand), Mapro Systems (Sweden) and Strøby Maskinværksted (Denmark).

There were 9 indoor exhibitors: IAMFE, Swedish University of Agricultural Sciences (SLU), Wintersteiger (Austria), Baumann Saatzuchtbedarf (Germany), Haldrup (Germany), Perten Instruments (Sweden), Optomachines (France), Flexiseeder Group (New Zealand) and Selecta (Netherlands).

The IAMFE 2014 seminar had the theme 'Information and control systems in field experimentation'

Seminar tent #3		Program					
Moderators:		Björn Andersson (Fältforsk) + Einar Strand (Bioforsk)					
WEDNESDAY		THURSDAY					
11:00-11:15	11:00-11:15	Fältförsöken då, nu och i framtiden					
Per-Göran Andersson, HS Malmöhus		<i>Field trials in the past, today and in the future</i>					
11:15-11:30	11:15-11:30	Vaerdien af uvildige og pålitlige markforsøg					
Jon-Birger Pedersen, Videncentret (DK)		<i>The value of independent and reliable field trials</i>					
11:30-11:50	11:30-11:50	Nordic Field Trial System - datahantering i försöksverksamheten					
Thomas Nitschke, Agrotech (DK)		<i>Nordic Field Trial System - a data handling tool for field research</i>					
15:30-15:50	13:30-13:50	Presisjonsjordbruk, verktøy med mange muligheter					
Audun Korsæth, Bioforsk Öst (NO)		<i>Precision agriculture, a tool with many possibilities</i>					
15:50-16:05	13:50-14:05	GPS-teknik i fältförsöken					
Johan Mickelåker, DataVäxt		<i>GPS applications for use in Field Trials</i>					
16:05-16:20	14:05-14:20	Fenotyping - användning i fältförsök					
Birgitte Feld-Mikkelsen, Agrotech (DK)		<i>Phenotyping techniques in field trials</i>					
16:20-17:00	14:20-15:00	International Outlook					
		<i>China / New Zealand / Russia</i>					
17:00-17:15	15:00-15:15	Multicoptern - vad kan den bidra med i försöksverksamheten?					
Ola Sixtensson, HS Malmöhus		<i>Multi-copter - the use in field trials</i>					
17:15-17:30	15:15-15:30	Såbäddsmätning på fältförsöksmaskiner					
Johan Arvidsson, SLU Jordbearbetning		<i>Soil tillage measurements on trial equipment machines</i>					

The seminar was visited by approx. 30 persons

The conclusions were that the IAMFE 2014 exhibition at Borgeby Field Days was successful. The exhibitors were rather pleased with the arrangements, not the least because the area was concentrated to one central spot in an otherwise very large exhibition. It was not possible to place the demonstration field close to the outdoor exhibition, which was a disadvantage. Plot machinery could not, due to safety reasons, be moved between the exhibition and the field demonstration area during opening hours.

If the plot equipment exhibition is repeated another year (many of the exhibitors expressed an interest in coming back), the exhibition will be located beside the demonstration area so that all exhibited equipment could also be taken out to the demonstration field.

Torbjörn Leuchovius, Coordinator of IAMFE 2014 at Borgeby Field days

Report from IAMFE's 50th Anniversary arranged on June 27th at the Norwegian University of Life Sciences, Ås, Norway.

By Egil Øyjord

The celebration was arranged at the Institute of mathematical sciences and technology (IMT) in the same auditorium as IAMFE was founded 50 years ago.

The decision to celebrate IAMFE's 50th Anniversary in Norway was taken in the General Assembly of IAMFE during the 14th International IAMFE Conference arranged at Qingdao Agricultural University, Oct. 12-14, 2012.

Norway established an Organizing Committee with Dr. Anders Heen as Chairman. Heen is retired director of Norwegian Agricultural Advisory Service. Members of this committee came from the three partners of the Norwegian Branch of IAMFE: The Norwegian Agricultural Advisory Service, Bioforsk and the Norwegian University of Life Sciences.

46 participants came from the following countries: China (10), Egypt (1), Hungary (4), Japan (1), New Zealand (1), Norway (24), Russia (4), Sweden (1).



The following program gives a brief summary of the celebration of IAMFE's 50th Anniversary on June 27th 2014 at the Norwegian University of Life Sciences.

For further information about the celebration in Norway and Sweden, please read the report from Torbjorn Leuchovius and the Executive Secretary of IAMFE, Dr. Wang Jiasheng.

Program for IAMFE's 50th Anniversary arranged on June 27th 2014 at IMT, Norwegian University of Life Sciences (NMBU), Ås, Norway

10.00 Anders Heen, Chairman of the Organizing Committee. Opening.

Mari Sundli Tveit, Rector, Welcome to the Norwegian University of Life Sciences.

John Morken, Associate professor, Welcome to Department of Mathematical Sciences and Technologi (IMT). Information about the institute and the work of Egil Øyjord

Egil Øyjord had broken his hip bone and was in hospital. His daughter, Hilde, presented her father's greetings and gratitude for the arrangement.

Shang Shuqi, Professor and President of IAMFE, welcomed the participants to IAMFE's 50th Anniversary. He and the Executive Secretary of IAMFE, Dr. Wang Jiasheng handed out IAMFE Awards to 13 of the most important helpers of IAMFE during 50 years.

Vladislav Minin, Vice President of IAMFE and earlier Executive secretary of IAMFE: "The importance of IAMFE i Russia".

Torbjorn Leuchovius, Editor of IAMFE News: "The importance of IAMFE in Sweden".

Chen Shaojiang, Professor and plant breeder, China Agricultural University: "Current Crop Breeding in China and Engineered Crop Breeding".

Nils Vagstad, Director of Research, Bioforsk, Norway: "High quality field trials, key instrument for developing sustainable food production".

Einar Strand, Coordinator of research in cereals. Norwegian Advisory Service/ Bioforsk: "Field experiments for development and dissemination of new knowledge".

Lars Reitan, Research director of cereals, Graminor: "Norwegian plant breeding –the importance of precise and efficient research activities in field experiments".

13.00: Lunch

14.00: In the backyard of IMT: An exhibition of old research equipment used in field experiments in Norway during the last 50 years. An old plot seeder, "Pracner" especially designed for plant breeding was also shown. This seeder was manufactured in Czechoslovakia by **Jan Pracner**. It was imported to Norway and used at many Norwegian research stations before the last world war. These plot seeders, with the fluted feeder system, were replaced by Øyjord plot seeders with the batch feeder system from 1958. Some samples of new plot research machinery and equipment for field experiments were also exhibited.

18.00: Reenskaug Hotel, Drøbak. Jubilee dinner.

Report from the Celebration of IAMFE's 50th Anniversary 2014

By Dr. Wang Jiasheng, Executive Secretary of IAMFE

50 years ago, on June 15-27, 1964, IAMFE was founded at NATO Advanced Study Institute on Mechanization of Field Experiments arranged at the Norwegian Institute of Agricultural Engineering. The Founder of IAMFE, Prof. Egil Oyjord, was elected as the first President of IAMFE. IAMFE has experienced 50 years history till this year. To celebrate IAMFE's 50th anniversary a celebration was arranged in Sweden by the Swedish Branch of IAMFE during the Borgeby Field Days in Bjärred on June 25-26. At the Swedish celebration an exhibition of new machinery, equipment and instruments for field experiments, was arranged.

The Norwegian celebration was arranged on June 27th at the Norwegian University of Life Sciences where IAMFE was founded in 1964. This celebration was a seminar in cooperation with the Chinese Branch of IAMFE. It was organized according to a decision by the General Assembly of IAMFE which was arranged at the IAMFE/China 2012 Conference.

In connection with the Seminar in Norway, a historical exhibition of research equipment for field experiments used in Norway during the last 50 years was arranged.

June 25 – 26 at Borgeby Fältdagar, Bjärred, Sweden

The Borgeby Field Days 2014 was organized in Bjärred, Sweden, June 25-26. More than 19,900 visitors and 356 exhibitors participated in the exhibition and demonstration. In connection with this event, the Swedish Branch of IAMFE organized an exhibition of new machinery, equipment and instruments to increase the capacity and the accuracy of experimental work. The following manufacturers of plot research machinery: WINTERSTEIGER, HALDRUP, ZURN, FLEXISEEDER and others, were invited to show their products in the IAMFE exhibition area. A Chinese delegation of ten people including the President of IAMFE, Professor Shang Shuqi, the Executive Secretary of IAMFE, Dr. Wang Jiasheng, and a member of IAMFE Executive Committee, Professor Chen Shaojiang and two Chinese plant breeders, Professor Liang Xiaoling, Professor Liu Wenxin, two directors and three engineers of Chinese Agricultural Machinery Companies visited the exhibition. The former President of IAMFE, Dr. John Stevens from New Zealand, the former Executive Secretary of IAFME, Mr. Torbjørn Leuchovius, the Vice President of IAMFE, Dr. Vladislav Minin from Russia took also part in this event. During the two days, a seminar regarding information and control systems in field experiments was also arranged. Eight researchers

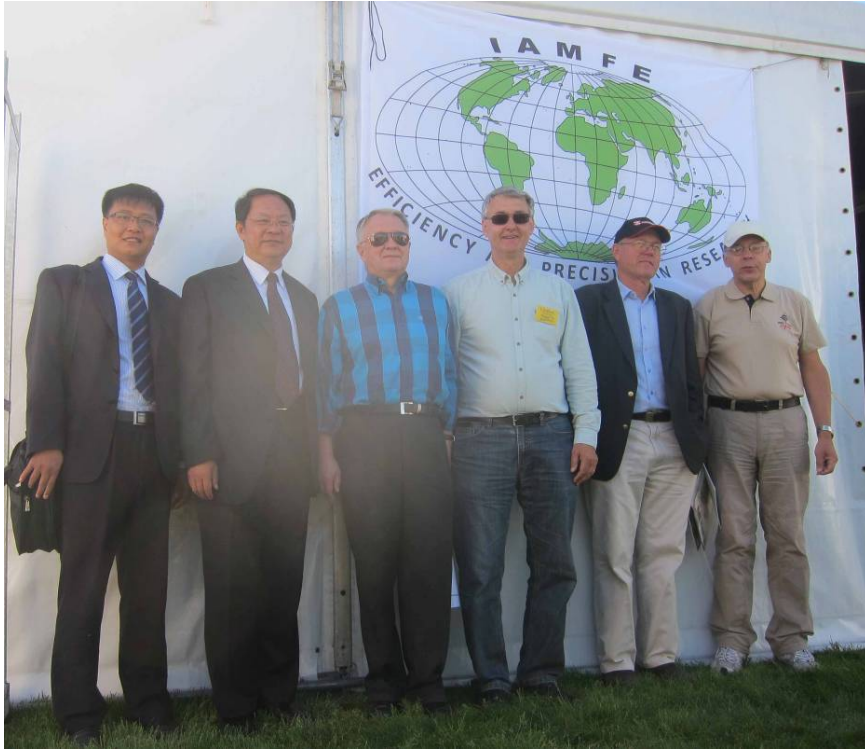
from the Nordic area gave their presentations on the research field. Professor Shang Shuqi, Dr. John Stevens, and Dr. Vladislav Minin also gave their presentations at the international outlook section of the Seminar on behalf of China, New Zealand and Russia.



Many machines for field plot research were shown at the IAMFE exhibition area at Borgeby Field Days.



Some field plots at the Borgeby Field Days



Some of the IAMFE delegates who took part in Borgeby Field Days. From left: Wang Jiasheng, Shang Shuqi, Valery Belyakov, Torbjørn Leuchovius, John Stevens, Vladislav Minin



Chinese Delegation, from left: Liang Jie, Wang Jiasheng, Yang Chunsheng, Liu Wenxin, Shang Shuqi, Liang Xiaoling, Yang Wei, Chen Shaojiang, Zhao Zhonghai, Dong Ruizhen.

June 27. Seminar at Ås, Norway for Celebration of IAMFE's 50th Anniversary.

On Friday June 27, a seminar for celebration of IAMFE's 50th Anniversary was held at Institute of Mathematical Sciences and Technology (IMT), Norwegian University of Life Sciences,

Ås, which was the site for founding of IAMFE in 1964. Dr. Anders Heen, chairman of the organizing committee moderated the seminar celebration, and more than 40 delegates from about 10 countries attended the Celebration. Rector of the Norwegian University of Life Sciences, Mari Sundli Tveit, welcomed the participants to the university and the seminar. Associate Professor of IMT, John Morken welcomed the participants to the Institute of Mathematical Sciences and Technology (IMT) and in the auditorium where IAMFE was founded. Professor Morken gave a brief history of the work of Professor Egil Oyjord.

We regret very much that the Founder of IAMFE, Professor Egil Oyjord, was absent from the celebration. Unfortunately, Professor Oyjord broke his hip bone two days before the celebration. His two children, Hilde and Olav Martin, attended the celebration. His daughter, Ms. Hilde Oyjord, presented her father's greetings and gratitude to the organizers and the participants.

The President of IAMFE, Prof. Shang Shuqi expressed the greetings on behalf of IAMFE and he and the Executive Secretary of IAMFE, Dr. Wang Jiasheng, presented the IAMFE awards to 13 candidates who have greatly contributed to IAMFE for the 50 years. A special award for the Founder of IAMFE, Professor Egil Oyjord was named "The Lifetime Outstanding IAMFE Contribution Award". 12 candidates got "The Outstanding IAMFE Contribution Award". The list of 12 candidates is: Wesley F. Buchele, USA, Vice President of IAMFE 1964-1992; Torbjørn Leuchovius, Sweden, Executive Secretary of IAMFE 1993-2004; Guo Peiyu, China, Founder and Honor President of Chinese Branch of IAMFE; Shi Senbao, China, colleague and supporter of IAMFE since 1980's, Shang Shuqi, Vice President of IAMFE 2004-2008 and President of IAMFE since 2008, Vladislav Minin, Russia, Executive Secretary of IAMFE 2004-2012; Hans-Ulrich Hege, Germany, Vice President of IAMFE 1992- 2000; Kolbjørn Moskvil, Norway, President of IAMFE 2001-2004; John Stevens, New Zealand, Acting President of IAMFE 2005-2008; Graeme R. Quick, Australia, Acting Executive Secretary of IAMFE 1972-1973; Bengt Hallerström, Sweden, colleague and supporter of IAMFE since 1964; Wang Jiasheng, China, Executive Secretary of IAMFE since 2012.

After the opening ceremony, Academic presentations from Mr. Torbjørn Leuchovius (Sweden), Dr. Vladislav Minin(Russia), Prof. Chen Shaojiang(China) were given. Three Norwegian leaders and scientists gave lectures and stressed the importance of field experiments.

In the afternoon of June 27, an exhibition of plot research equipment used in Norway during

the last 50 years was arranged in the backyard of the building of Institute of Mathematical Sciences and Technology (IMT).

Some representatives of the Chinese delegation also visited the seed laboratory and experimental fields of the Norwegian University of Life Sciences guided by Mr. Svend A. Pung, operation leader, and the agricultural scientist, Morten Lillemo.



Egil Oyjord's daughter, Mrs. Hilde Øyjord, presented greetings and thanks to the organizers and the participants on behalf of the Founder of IAMFE, Prof. Egil Oyjord



The president of IAMFE, Prof. Shang Shuqi presented the gift for IAMFE's 50th Anniversary.



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b



c



d

The awarding ceremony for some of the candidates

a: Hilde & Olav Martin Oyjord, b: Kolbjørn Moskvil, c: Torbjørn Leuchovius, d: John Stevens



Some plot research equipment used in Norway during the last 50 years



Operation leader, Mr. Svend A. Pung introduced the Seed Laboratory to the Chinese delegation



Some participants of the Chinese delegation visited the field plots guided by the Scientist Morten Lillemo.

June 28. Visit to Bjertnaes Vegetable Farm

On June 28, the Chinese delegation was invited to visit the Bjaertnaes Vegetable Farm.

The delegation took a bus from Oslo to Notteroy, near Tønsberg, which is located about 100 km south of Oslo.

The manager of the farm, Mr. Claus Borch-Jenssen warmly welcomed the delegation.

Mr. Claus Borch-Jenssen introduced us to the history, development and management of the farm in his office. According to his information, the main products of the Bjertnaes farm includes lettuce, potato and celery. Many workers and staffs of the farm are international. Some of them are students from agricultural universities of different countries. Professor Shang Shuqi and several students from China Agricultural University and Qingdao Agricultural University have worked in this farm. After the presentation, the staffs of the farm led us to the vegetable field to visit the plots of lettuce, potato and celery. They also showed us the equipment and how to use it.



Mr. Claus Borch-Jenssen introduced Bjertnaes Vegetable Farm for the Chinese delegation.



Visiting the vegetable field

How the cooperation between China and IAMFE started.

By Professor Shisenbao, Professor, China Agricultural University.

Professor Egil Øyjord, Norwegian University of Life Sciences, has asked me to tell how the cooperation between China and Norway started. Here comes the history:

In 1981-82 I was staying in Hohenheim University, which at that time was situated in West-Germany. There I met Professor Posselt, a plant breeder who showed me his breeding station and told me about IAMFE and you. He also showed me the Proceedings of the IAMFE conferences. I wrote to you and you sent me the Proceedings.

In 1982 when I returned to China, I wrote a report to the Chinese Ministry of Agriculture and told about IAMFE and what I had seen in Germany. At that time, the Chinese agronomists and plant breeders used simple hand tools in their research. Very few scientists had imported single ear threshers and plot seeders from Austria and Germany.

In my report I strongly recommended that China should arrange a workshop and invite you to lecture on machinery and equipment for field experiments.

My suggestions were approved by the Ministry of Agriculture. The Science and Technology Bureau of the Chinese Ministry of Agriculture were appointed to be the leading institution for organizing and financing the proposed workshop.

The Chinese Ministry of Agriculture sent an invitation to IAMFE President, Professor Egil Øyjord to come to Beijing Agricultural University for lecturing on machinery and equipment for mechanization of field experiments. Professor Shisenbao and the members of his teaching and research section, were appointed to be responsible for the workshop.

The workshop on machinery and equipment for mechanization of field experiments was arranged at Beijing Agricultural University (BAU) from Nov. 8th to Nov. 18th 1983. (BAU is now a part of China Agricultural University, (CAU) West Campus).

The IAMFE/BAU workshop became a great success. A total of 75 participants from whole China took part in the workshop. The participants came mainly from two groups. One group consisted of agricultural technicians from the Chinese Academy of Agricultural Sciences or from the Institutes of Agricultural Science in the various Provinces.

The other group consisted of mechanical engineers from Agricultural Machinery Institutes in the various Provinces.

The lectures of Professor Egil Øyjord were as follows:

1. Plot seeders for seeds and fertilizers used for field experiments.
2. Precision seeders for plant breeding.
3. Seeders for vegetable growers.
4. Forestry plot seeders for nurseries.
5. Plot threshers and harvesters.
6. Plot sprayers for herbicides, fungicides and pesticides.
7. Laboratory equipment used in field experiments.

The participants listened and discussed the lectures. The lectures were very welcomed by all participants. After the workshop was finished, the lectures and the slides were copied and given to all participants

During the workshop the Director of the Science and Technology Bureau of the Agricultural Ministry of China and the President of Beijing Agricultural University invited Professor Egil Øyjord to a Banquet in the most exclusive restaurant in Beijing.

Since then, several achievements of this workshop happened:

1. A new course in mechanization of field experiment was developed. The teaching material for this course was taken from the Øyjord lectures combined with contents from the Proceedings of the IAMFE conferences. This material was edited and published for students majoring in plant breeding.
2. The students listened to the lectures and studied an Øyjord plot seeder in operation.. They learned a lot; gained greatly and broadening the mind from this course. The IAMFE/ China workshop in 1983 is considered as the start of mechanization of field experiments in China.
3. A single ear thresher was developed and manufactured.
4. A plot seeder was developed and manufactured.
5. A plot combine harvester was developed and manufactured.

And then:

In 1986 Prof. Egil Øyjord invited me as a visiting scientist for a 7 weeks stay in the IAMFE Center at the Norwegian Institute of Agricultural Engineering. During this period IAMFE gave me a travel grant to study field plot machinery and equipment in Sweden and Finland.

During my stay in Norway we planned an International IAMFE/China conference.

In 1994 this conference with a large exhibition was successfully arranged at Beijing Agricultural Engineering University. In 1994 The Chinese Branch of IAMFE was established.



Before returning to China, Professor Shisenbao (left) received flowers and a gift from Professor Egil Øyjord.

In the right corner, Professor Øyvind Haugen, Head of the Norwegian Institute of Agricultural Engineering.

Beijing, Nov. 2014

Shisenbao