

IAUA



NEWS

QUARTERLY NEWSLETTER OF INDIAN AGRICULTURAL UNIVERSITIES ASSOCIATION

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Dr N.C.Patel, VC, AAU, Anand

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SPOT NEWS

Dr M. L. Choudhary, VC, BAU, Sabour

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Dr K. M. Bujarbaruah, VC, AAU, Jorhat

Dr N.C.Patel, VC, JAU, Junagarh

Dr V.S.Tomar, VC, JNKVV, Jabalpur

Dr A.R.Pathak, VC, JAU, Junagadh

Prof A.K.Gahlot, VC, RUVAS, Bikaner

Dr A. K. Srivastava, Dir., NDRI, Karnal

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 - Vice-President
 - Secretary-General
 - Treasurer
 - Member
 - Member
 - Member
 - Ex-officio Member
- (Immediate Past President)



Dr M.L.Choudhary

Focus on Universities: Events and Achievements

Deemed-to-be-Universities

CENTRAL INSTITUTE OF FISHERIES EDUCATION, MUMBAI

IAUA Vice Chancellor's Meet

The Indian Agricultural Universities Association sponsored a meeting of the vice-chancellors of agricultural universities and the brain-storming session on 'Challenges before NARS in National Food Production'. It was organized at Central Institute of Fisheries Education, Mumbai during 11-12 July 2014. The VCs representing 12 agricultural and ICAR deemed universities and the deans/directors of Research representing 8 universities from 12 states of the country participated in the meeting. Shri Abdul Sattar, Minister, Animal Husbandry, Dairy Development and Fisheries, Government of Maharashtra inaugurated it. Dr S.N.Puri, VC, CAU, Imphal, was the guest of honour, and Dr A.K. Srivastava, Director/VC, NDRI, Karnal & the President, IAUA, presided over the inaugural function. Dr W.S. Lakra, Director & VC, Central Institute of Fisheries Education, Mumbai, felicitated the dignitaries. The brain-storming session included deliberations on the challenges, strategies and priorities in agriculture, horticulture, animal husbandry and fisheries. The following recommendations were made during this session.



Dr W.S.Lakra welcoming the dignitaries and audience



1. Indian agriculture should aim at market-specific, export-oriented crop production and value addition for increased market share.
2. Efforts should be made to bridge the gap between yield potential and actual yield realized on the farm.
3. Integrated farming system should be adopted in drylands.
4. Technology should be developed to cultivate onion in rain-fed/low-irrigation conditions and throughout the year.
5. Green fodder production should be increased, utilizing common property resources. Fodder-seed production should be brought under national seed chain.
6. Use of modern biotechnological interventions like embryo transfer, IVF, ovum pick-up, cloning etc. should be adopted for faster multiplication of elite cows and buffaloes.
7. Greater policy focus, private investment in mariculture, deep sea fishing and community based management are essential to sustain marine fish production.
8. Quality seed availability, effective diseases management, and quality assurance should be ensured to sustain the growth of aquaculture sector.

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INDIAN VETERINARY RESEARCH INSTITUTE, IZATNAGAR

Zonal Elocution Contest of "XII Agricultural Congress-2015"

As a part of "XII Agricultural Congress-2015", the Zonal Elocution Contest of Zone V on "GM crops for long-term food and nutritional security" was held on 20 September 2014 at N.L.V.S. auditorium at IVRI, Izatnagar. In the contest, 14 student participants of Zone-V from 8 agricultural universities presented their elocution in power point presentation.



Dr. R.K. Singh, Director, IVRI and Zonal Co-ordinator, Zone-V, awarded the prizes and certificates to the winners. He also felicitated the Jury members, viz., Dr P. Joshi, Head, Division of Biochemistry, IVRI; Dr Anil Kumar, Prof & Head, Dept. of Molecular Biology & Genetic Engineering, GBPUAT, Pantnagar; and Dr (Mrs) Jasdeep Chatrath Padaria, Principal Scientist, IARI, New Delhi. Dr Singh congratulated the winners as well as participants of the contest.

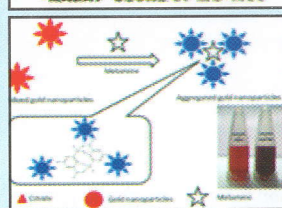
On this occasion, Dr V.P. Singh, Joint Director (Academic), informed that the XII Agricultural Science Congress-2015 under the theme "Sustainable livelihood security of small-holder farmers" will be held during 3-6, February 2015 at NDRI, Karnal and the winners of the final contest will be awarded.

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NATIONAL DAIRY RESEARCH INSTITUTE, KARNAL

Recreation of Dead Progeny-tested Buffalo Bull through Cloning

A male cloned calf, 'Rajat' produced through 'hand-guided cloning' was born on 23 July 2014 by normal parturition. Its weight at the time of birth was 32 kg. The calf is the clone of a highly ranked progeny-tested Murrah buffalo bull (MU-4393), that had died many years back. The donor cell was isolated from the frozen-thawed semen of this bull, which was born on 10 December 1995. The bull ranked first in the fifth set of all-India progeny-testing programmes, showing 22.29% superiority. This technology could be very useful in multiplying a number of best bulls that can meet their demand in the country.



Schematic representation of principle of melamine detection

Colorimetric Detection of Melamine in Milk

A colorimetric test was developed for detection of melamine in milk, using gold nanoparticles. The gold nanoparticles of 21 nm size were synthesized by citrate-reduction method. The method is based on the principle that the melamine causes the aggregation of gold nanoparticles, and hence the wine-red colour of gold nanoparticles changes to blue or purple. This change in colour can be visualized with naked eye or UV vis spectrometer. Under optimized conditions, the gold nanoparticles are highly specific for melamine, and can detect the melamine up to a concentration of 0.05 mg/litre. Naveen Kumar, Raman Seth and Harish Kumar developed this technique.

Engineering Interventions for Global Competitiveness

The IXth National Convention of Dairy Engineers and national seminar on "Engineering interventions for global competitiveness of Indian dairy industry" was organized jointly by ICAR-NDRI, Karnal and Indian Dairy Engineers' Association on 8 Sept., 2014.

Prof. Kaptan Singh Solanki, H.E. the Governor of Haryana, inaugurated the seminar. Delegates from 12 states of India participated in it. Prof. Solanki, laid stress on the development of human resource development in the livestock sector in India, especially when it is widely expected that the 21st century would be

dominated by India at the global level. He also presented awards for professional excellence to two dairy entrepreneurs, Mr Narendra Kumar Gupta and Mr Mahesh Chander Chawla, for their significant contributions. Prof. Solanki interacted with the students of ICAR-NDRI.



H.E. the Governor inaugurating the seminar

Universities

ANAND AGRICULTURAL UNIVERSITY, ANAND

Agriculture Biotechnology for crop improvement

Dr K.C. Bansal, Director, National Bureau of Plant Genetic Resources, New Delhi, delivered a lecture entitled "Agriculture biotechnology for crop improvement in a variable climate" and interacted with the students, faculty members of the department and plant breeders of the university on September 13, 2014.



Dr K.C. Bansal delivering lecture

Seminar on Cyber Crime

On 20 Sep. 2014, the College of Agricultural Engineering and Technology, AAU, Godhra organized a seminar on "Cyber Crime" under National Service Scheme in collaboration with Surksha Setu Kendra, Godhra. Deputy Superintendent of Police, Godhra, Mr. C. C. Khatana; Police Inspector, Godhra and Dr M.L. Gaur, Principal & Dean, College of Agricultural Engineering and Technology, Godhra inaugurated the event. Mr. C. C. Khatana, Police Inspector, Godhra delivered informative talk on cyber crime.



Dy. S. Police addressing the delegates

Dr R. V. Vyas, delivered a special lecture on "Use of liquid bio-fertilizers in organic farming and quality control" on 8 July 2014 in the presence of Shri R. K. Agrawal, Managing Director, Kribhco, and other dignitaries in a training programme organized at Kribhco (Hazira, Surat) on 'Organic certification and ICS management' with the financial support of RCOF, Government of India, Nagpur during 4-8 July 2014.



Interstate training programme for dairy farmers of Maharashtra

Important visitors

Thirty delegates from Malawi, Kenya visited Biofertilizer Department through MANGE (Hyderabad) on 12 Sep. 2014. They interacted with the concerned scientists and were very much inquisitive about liquid bio-fertilizers and their applications in diverse cropping systems.

Visit of Foreign Delegation to SMC College of Dairy Science

A foreign delegation comprising 6 members from Kenya Dairy Farmers' Federation including its Chairman Richard Tuwei and three members from East Africa Dairy Development Project of Heifer International, visited Dairy Science College, Anand on 30 May 2014.

Agri-Biz Idol Camp at IRMA

An Agri-Biz Idol Camp was organized by Business Planning and Development Unit, in collaboration with Institute of Rural Management at Anand on 8 May 2014. Its aim was to encourage the youth like B-school students to take up agri-entrepreneurship and make agricultural innovations a way of life. Apart from MBA students from the AAU, those from IRMA Sardar Patel University and M. S. University were also present. The camp was inaugurated in the presence of Dr K. B. Kathiria, VC (I/c) and Chairman—AAU BPD Unit and Mrs Jeemol Unni, Director,



IRMA, Anand. Out of 7 presenters from the AAU and IRMA who presented their innovative ideas, two teams from IRMA were short-listed for further presentation in the national-level competition at Agribusiness Conclave, New Delhi.



ASSAM AGRICULTURAL UNIVERSITY, JORHAT

Second term as VC to Dr K. M. Bujarbaruah

Dr K.M. Bujarbaruah was reappointed as VC, AAU, Jorhat, for the second term of 5 years, w.e.f. 1 August, 2014. He was Deputy Director General (Animal Sciences), ICAR (2007-09) prior to his first appointment as VC of this university in 2009.

Dr Bujarbaruah has several awards and recognitions to his credit. A Fellow of National Academy of Veterinary Science, 2007, he contributed greatly to research on agriculture and allied sciences.

Dr Bujarbaruah has earned the distinction as a dynamic and visionary administrator during his first term.

In view of his exemplary contribution, Dr Bujarbaruah was given additional responsibility by Government of Assam in 2013 to establish a women's university as its Mentor. Dr Bujarbaruah's dynamism, leadership and untiring efforts could make it a reality within a year and Assam Women's University has been flagged off by the Chief Minister of Assam Dr Tarun Gogoi on 11 Sep. 2014.

DBT-AAU Centre

The fully furnished new building of DBT-AAU Centre was inaugurated by Dr Tarun Gogoi, the CM, of Assam on 11 Sept. 2014 in the presence of Mrs Veena T. Bhatia, Director (Administration), DBT, Government of India; and Dr B. K. Sarmah, Director DBT-AAU Centre; besides Dr K. M. Bujarbaruah, Vice Chancellor, AAU.

The Centre is a Public-Public Partnership between the Department of Biotechnology, Government of India and AAU, Jorhat, being funded by the former. With the mandate to undertake exploratory research in crop biotechnology, the centre has identified and taken up some futuristic research programmes like attempting gene-based solutions to insect pest problem in grain legumes; soil-acidity problem through microbial genomics; targeting drought-tolerant genes in rice bio-resources of the region; improving organic agriculture through large-scale production and generation of modern bio-inputs etc.

Dr Bujarbaruah in his inaugural address emphasized the importance of biotechnology for agricultural reform in the N. E. region. Earlier in his welcome address he informed about the development of transgenic chickpeas using funds from various international organizations as well as from state government that led the AAU to generate such a useful technology. Mrs Veena T. Bhatia, Director, DBT congratulated the university administration for completing such a huge infrastructure within a very short period. She also narrated various funding programmes being made by the DBT for the upliftment of biotechnological research in the NE region.



Dr K.M. Bujarbaruah



Dr Tarun Gogoi inaugurating DBT-AAU centre



DBT-AAU centre, Jorhat

Farewell to Erasmus Mundus Overseas Fellowship holders

Thirteen students and 2 faculty members of the university, selected for the prestigious Erasmus Mundus Fellowship are leaving shortly for higher studies and research to 6 European universities (Tallin University of Technology, Estonia; University of Helsinki, Finland; Agricultural University, Athens, Greece; University of Polytechnica, Madrid, Spain; Martin Luther University, Germany; and University of East Anglia, the UK) under a collaborative project between European Commission and the AAU. Dr K. M. Bujarbaruah, in his presidential address complemented the participants in a meeting held on 26 Sep. 2014.

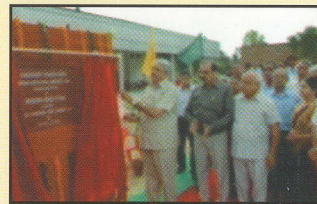


Erasmus Mundus Fellowship holders with Dr K.M. Bujarbaruah

CCS HARYANA AGRICULTURAL UNIVERSITY, HISAR

Foundation Stones

Dr K.S. Khokhar, VC, laid the foundation stones of Farm Machinery Testing Laboratory and Modern Seed Stores on 16 August. He informed that efforts are being made to create more facilities to gear up seed-production programme and other research activities in the university. Since the approval of the Farm Machinery Testing Centre by Government of India in 2011, it is catering to the needs of the industry by testing farm machinery and implements. So far over 200 machines have been tested at this centre. The Modern Seed Stores, would be provided with modern temperature and humidity control as well as air lock facilities to maintain quality of seed during storage.



Dr K.S. Khokhar unveiling plaque

Krishi Mela

A Krishi Mela organized by the university during 9-10 Sep. About 46,000 farmers from Haryana and adjoining states of Punjab, Rajasthan and Delhi participated in the event.

Inaugurating it, Dr K.S. Khokhar, VC, took round of this agro-industrial exhibition, show-casing the latest technologies of agriculture and livestock rearing. He urged the farmers to shift to the cropping system. Hence change in farming system and farm mechanization as well as water management has become most important. The university scientists are devising agricultural models to provide better returns to the farmers, particularly the small farmers having 1-2 acres land holdings.



Dr K.S. Khokhar inaugurating the Krishi Mela

Maj. Gen. Dr Shri Kant, VC, Lala Lajpat Rai University of Veterinary and Animal Sciences was the Guest of Honour. He urged the farmers that apart from increasing production of livestock, they should also endeavour to bring blue revolution in the state.

An agro-industrial exhibition housing 200 stalls by different government, non-government agencies and MNCs was the major attraction for the farmers. They purchased improved seeds of various winter season rabi crops as well as fruit saplings worth Rs 79 lakhs from the seed sale counter of the university. Their 265 soil samples and 291 water samples were also tested at the mela.



Dr K.S. Khokhar at a stall in agro-industrial exhibition

CHAUDHARY SARWAN KUMAR HIMACHAL PRADESH KRISHI VISHVAVIDYALAYA, PALAMPUR

Seminar on Organic Agriculture

A national seminar on organic agriculture was organized by the university during 26-27 May 2014. The experts from all over the country discussed challenges and prospects in detail. They deliberated on the issues like organic crop-production technologies, organic-crop protection, soil health under organic farming, eco-friendly agriculture and issues related to organic certification and market linkages etc. They

also visited the model organic farm of the university.

Dr A.K. Yadav, President, International Competence Centre on Organic Agriculture gave detailed account of the work in the area of organic agriculture during the last one decade. Dr J.C.Rana, Director of Agriculture, H.P. informed about the efforts of the government to involve more and more farmers in organic agriculture. The chief guest released a souvenir and some books to mark the occasion.

Achievements of Students

Three students of Dr G.C.Negi College of Veterinary and Animal Sciences made to the final merit list of the Remount and Veterinary Corps of Indian Army

in the recently conducted SSB at Allahabad. Three students of College of Agriculture bagged top positions in the ICAR Junior Research Fellowship examination.



Three students with University authorities

Visit of University Delegation to Mangolia

A 3 member delegation comprising of Dr K.K.Katoch, VC; Dr S. P. Sharma, Director of Research; and Shri Kewal Singh Pathania, Member, Board of Management visited Mongolian University of Life Sciences. The delegation interacted with Dr T. Kheruuga, President; Prof. Gombo Gantulga, Vice-President and Prof. Batchuun Jalbasuren. They discussed the scope for exchange of UG and PG students, faculty in the fields of agriculture and veterinary and animal husbandry, home science and basic sciences. Major collaborating areas include natural resource management, organic agriculture, bio-pesticide formulations, climate change, characterization and improvement of local breeds of animals, veterinary health services, animal nutrition, fodder cultivation and rangeland management and extension methodologies for faster dissemination of technologies to the end users.

AICRP on honey bee

The ICAR sanctioned Rs.37.86 lac to the university for All India Co-ordinated Research Project the regular centre on honey bees and pollinators.

GURU ANGAD DEV VETERINARY AND ANIMAL SCIENCES UNIVERSITY, LUDHIANA

Transfer of Meat Processing Technology

Propagating the need of processing and value-addition, Department of Livestock Products Technology of the university developed and transferred the technology of shelf stable pork pickle to M/s Arohan Foods Pvt. Ltd, Guwahati, Assam. The technology was transferred on multi-user basis for Rs 50,000. Dr



Dr. V. K. Taneja Witnessing

Manish Chatli, Head, Livestock Products Technology, revealed that a Memorandum of Understanding was entered between both the parties in the presence of Dr Vijay Kumar Taneja, Vice- Chancellor and Mr Anabil Goswami, Managing Director, M/s Arohan Foods.

He insisted that the feedbacks on the product should be gathered from the end-users, who will be instrumental in improving our technologies. Dr S.N.S. Randhawa, Director of Research, signed the agreement. Mr Goswami briefed about his company and told that M/s Arohan Foods is the hazard-analysis critical-control point and ISO 22000 certified company, and its products retail across various parts of India in over 600 outlets. The company is determined to establish its brand, Choice Pork Natural, as the leader of pork products in India as well as abroad. He assured that the pork pickle will soon hit the leading stores in the market under the caption "Technology developed by GADVASU Ludhiana".

Visit of Director, Virginia Tech University, the USA

Dr Sriranganathan Nammalwar, Director, Centre for Molecular Medicine and

Infectious Diseases, VA-MD Regional College of Veterinary Medicine, Virginia Tech University, the USA, visited the university for two days on invitation from Dr S.N.S. Randhawa, Director of Research-cum-Dean (PGS). Dr Sriranganathan is an eminent scientist in the field of Veterinary microbiology and zoonoses (diseases that can be passed between animals and humans) and he is a pioneer team members who developed Brucella strain RB51 vaccine in the USA, which is used world-wide for the control and prevention of brucellosis in dairy animals.



Dr Taneja, and Dr Sriranganathan discussed about the formulation of collaborative research proposal between GADVASU and Virginia Tech University under supervision of Dr Nammalwar. They laid emphasis on strategies for control of brucellosis in Punjab. On the second day of visit a brain-storming session was organized under the chairmanship of Dr S.N.S. Randhawa exploring the possibility of collaboration between both the universities. In this session Dr J.P.S. Gill, Director, School of Public Health and Zoonoses, Dr Ramneek, Director, School of Animal Biotechnology, Dr N.S. Sharma, Head Department of Veterinary Microbiology; Dr C.S. Randhwa, Professor, Department of Veterinary Medicine and Dr J. S. Bedi, Assistant Professor also participated in the discussion. Dr J.S. Bedi has done four months research training in Virginia Tech University under the guidance of Dr Nammalwar.

G.B. PANTUNIVERSITY OF AGRICULTURE AND TECHNOLOGY, PANTNAGAR

Coordinated research project on goat

Dr K.M.L. Pathak, Deputy, Director-General (Animal Science), ICAR, New Delhi inaugurated the Uttarakhand goat unit of AICRP on Goat at Pantvarsity on 29 Aug. 2014. Lead by Central Goat Research Institute, Mathura, the project will be undertaken at Livestock Product Management department of College of Veterinary and Animal Sciences. In the project local breeds of goat will be improved by crossing with the male of Pantja breed of the goat developed at Pantvarsity.



Dr K.M.L. Pathak inaugurating the Unit

On this occasion, Dr J. Kumar, Registrar, thanked the ICAR for choosing this university as one of the centres of the project, and Dr G.K. Singh Dean, informed its objectives. Dr S.K. Singh, Project Coordinator, dwelt upon the utility of goat in India and Dr R.S. Gandhi, Assistant Director General, ICAR, described the project and its connecting with the economy of goat-rearing farmer.

Collaboration with Lincoln University of New Zealand

A meeting to discuss the prospects of collaboration in teaching, research and management programmes and organizing joint conferences or seminars was held between Lincoln University of New Zealand and Pantvarsity. In the meeting held at College of Agribusiness Management on 8 Sep. 2014, Dr J. Kumar, Registrar and Dr B. Kumar, Dean, discussed the possibility of holding such programmes with Dr Kamal Ghosh, Director, International Relations, Lincoln University.

Both the universities have agreed to prepare a plan of such collaborative programmes after studying each-others programmes.

INDIRA GANDHI KRISHI VISHWAVIDYALAYA, RAIPUR

Integrated Farming for Sustainable Livelihood

A National Symposium on Integrated Farming System for Sustainable Livelihood and the 21st Zonal Workshop of KVKs were organized by the IGKV, Raipur jointly with the KVK Zonal Project Directorate of Zone-7, Jabalpur of the ICAR and Chhattisgarh State Council of Science and Technology at College of Agriculture, Raipur during 5-7 September, 2014. Shri Brijmohan Agrawal, State Minister for Agriculture in his inaugural address emphasized the significance



Dr. S.K. Patil addressing

of KVK and called upon the scientists of KVK to strive hard for progress of small and marginal farmers through training. He informed that only 10% of the state's requirement of fruits, vegetables and flowers is being produced in the state and remaining 90% is met from the other states. He laid stress on more research and demonstration on horticultural crops as well as pulse or oilseed crops. Shri Ajay Singh, IAS, Additional Chief Secretary and Agriculture Production Commissioner, Government of Chhattisgarh, was the special guest; and Dr R.R. Hanchinal, Chairperson, Protection of Plant Varieties and Farmers' Rights Authority, also graced the occasion. Besides, Programme Co-ordinators from 100 KVKs of Chhattisgarh, Madhya Pradesh and Odisha as well as representatives from 11 different institutions of Government of India attended the symposium. A major recommendation coming out from the deliberations was that KVKs should come forward to utilize effectively the social medias like WhatsApp, Facebook, mobile message and e-mail for faster communication of technologies as well as to attract the tech-savvy youths in agriculture.

Dr S K Patil, VC, in his address on the concluding day said that the KVKs will be reviewed in depth to show their viability at national level and the importance of soil health or soil tests and customized agro-advisory to the farmers. He called upon the scientists of KVKs to take lead in this regard by working in the mode of Integrated Farming System. Dr A. K. Singh, ADG, ICAR, New Delhi, also expressed his views.

JAWAHARLAL NEHRU KRISHI VISHWA VIDYALAYA, JABALPUR

XIIth Convocation

On the occasion, the Golden Jubilee Year 2014, the 12th Convocation Ceremony of the JNKVV was held at Jabalpur on 27th June 2014.

H.E. Shri Pranab Mukherjee, President of India, the chief guest at the convocation, drew a vision for the graduates and scholars in our agricultural institutes, stating that now the country needs committed, capable and hard-working professionals to spearhead the next farm revolution. He said that the Students of this university are no exception and they must fully contribute to this impending transformation in agriculture. He said: "It's privilege to deliver the Convocation address in the Golden Jubilee Year of this prestigious agricultural university, named after the architect of modern India Pandit Jawaharlal Nehru. It is my pleasure to visit a higher educational institution for agriculture in the state of Madhya Pradesh, which is a major contributor of the national food basket."

In the convocation ceremony, 643 graduates, 481 M.Sc. and 23 Ph.Ds were awarded degrees. Shri Ram Naresh Yadav, H.E. the Governor of Madhya Pradesh and Chancellor of the University, presided over the Convocation. Shri Shivraj Singh Chauhan, CM; Shri Gaurishankar Bisen, Minister, Farmers' Welfare and Agriculture Development; Shri Sharad Jain, State Minister, Public Health and Family Welfare, Government of M.P. and Shri Rakesh Singh, Member of Parliament, Jabalpur, were the guests of honour.

Dr A.P.J. Abdul Kalam, former President of India and noted Agriculture Scientist, Dr M.S. Swaminathan, were awarded with Doctor of Science (Honoris Causa). Prof. Vijay Singh Tomar, VC, delivered the welcome address and presented the report of the university. Shri Rajesh Paliwal, Registrar, convened the programme proceedings.

Golden Jubilee

The university completed 50 years of its establishment in 1964, and celebrated the Golden jubilee from 2 October 2013 to 1 October 2014. A series of 7 national and an international seminar attracted thousands of scientists and field workers along with progressive farmers and agro based entrepreneurs during July to October 2014. A series of 7 national and an international seminar attracted thousands of scientists and field workers along with progressive farmers and



A participant receiving the certificate



Dignitaries at Convocation



Shri. Pranab Mukherjee awarding degrees

agro based entrepreneurs during July to October 2014.

The topics of seminars included 'Enhancing agricultural profitability through value addition (25-26 July), Technologies for sustainable production through climate-resilient agriculture (8-9 August), Production, Processing and Trade of Medicinal and Aromatic plants (12-13 August), Management of Economically Important Insects in India (16 August), Enhancing wheat and barley production with special emphasis on nutritional security (22-25 August), Soil health: a key to unlock and sustain production potential (3-4 September) Biotechnology for sustainable agriculture (8-9 September) and Pulses: Changing Climate and Opportunities (29 September - 1 October, 2014). The Golden Jubilee seminars were blessed by DG, ICAR, Dr S. Ayyappan; DG, BISA Dr H.S. Gupta; DDG (NRM), Dr A.K. Sikka; DDG (Crops), Dr Swapan K. Dutta; Agricultural Commissioner, Government of India; Dr J.S. Sandhu; Minister for Farmers' Welfare and Agricultural Development, MP, Shri Guarishankar Bisen; Member of Parliament, Jabalpur, Shri Rakesh Singh; VC, JNKVV, Prof V.S. Tomar; VC, NDVSU, Dr A.S. Nanda; VC, RVSKVV, Dr A.K. Singh; VC, IGKVV, Dr S.K. Patil; and VC, VNMKV Parbhani, Prof. B. Venkateswarlu along with Dr Marteen V. Ginkel, DDG, ICARDA; Dr Eric Huttner, RPM, ICARDA; and directors of several national institutes from the Country and abroad. Progressive farmers of innovative neuter were honoured with Krishak Fellow awards.

MAHARASHTRA ANIMAL AND FISHERY SCIENCES UNIVERSITY,

Critical Care Unit

Dr S. Ayyappan, DG, ICAR & Secretary, DARE, Government of India, New Delhi, inaugurated Critical Care of the university. It was established at Teaching Veterinary Clinical Complex, Nagpur Veterinary College, through the grant of Rs 98 lakhs from the ICAR, New Delhi under Experiential learning programme. Prof. A. K. Misra, VC, Chaired the meeting, Dr C. D. Mayee, former Chairman, ASRB, New Delhi, graced the occasion.

The Critical Care Unit has a separate building with a specious air-conditioned operation theatre complex. Simultaneously three surgeries can be performed at a time. The operation theatre is provided with equipments such as suction apparatus, bed-side monitors, continuous oxygen supply, Boyles apparatus, electrocautery machine, dental instrumentations and operation tables. It is planned to purchase computed radiography machine in the near future that would broaden the spectrum of orthopaedic surgeries. The CCU also has a separate air-conditioned critical care medical unit. The CCU is being equipped with ultra-modern instruments and appliances for providing life-saving support to the patients. This section has hemodialysis unit, neonatal care unit, fibrillator, continuous oxygen supply, multipara monitors and indoor facility for limited pets. The blood-transfusion facilities are also made available.

Deoni Cattle Museum

The Deoni cattle museum was established in Department of Veterinary and Animal Husbandry Extension, College of Veterinary



Dr. V.S. Tomar with Dr. Marteen V. Ginkel, DDG, ICARDA



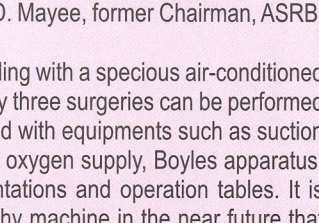
Dignitaries on the dais



Dignitaries on the Golden Jubilee Celebration



Dr S. Ayyappan, inaugurating the Critical Care Unit



Inauguration of Deoni Cattle Museum

and Animal Sciences, Udgir, where the memories about Deoni cattle breed owners' achievements since 1938 are displayed. Dr Laxman Pawar DAHO, Latur and Dr S. S. Kulkarni, Dean, COVAS, Udgir inaugurated. It serves as a memorial place for Deoni cattle breeders and encourages them to conserve this breed.

NAVASARI AGRICULTURAL UNIVERSITY, NAVSARI

Global Conference

A global conference on 'Technological challenges and human resources for mate smart horticulture: issues and ategies' was organized at Navasari during 28-31 May 2014. Dr A. R. Pathak, VC, presided and Dr D. P. Ray, mer VC, OUAT, was the chief guest.



Shri Mangubhai Patel, Deputy Speaker, State Legislative Assembly, inaugurated it. Shri Sharadbhai Patel, Chairman, ASPEE group of companies; Dr G. Trivedi, former VC, RAU, Bihar and Dr P., Rethinam, former Chairman, Coconut Development Board, Kochi, were the guests of honour. During the function Shri H.S. Mehta Award by Mehta Foundation-2014 was conferred upon Dr Sanjay Singh, Head, CHES, Godhra, Gujarat. The Horticultural Society of Gujarat awards were bestowed on the late Dr R.P. S. Ahlawat former VC; Dr A. R. Pathak, present VC; and Dr N. L. Patel, Dean, ASPEE College of Horticulture and Forestry, NAU, Navsari. The Ram Nanadan Babu Award-2014 was conferred on Dr S.S. Mehta, President Aonla Growers Association of India; Padma Bhushan Dr R. S. Paroda Award-2014 to Dr Nazeer Ahmed, Director, Central Institute of Temperate Horticulture, Srinagar; Padma Shri Dr B. H. Jain Award to Dr N. L. Patel, Dean, ACHF, NAU and Lifetime Achievement Award of CHAI 2014 to Dr H.P. Singh, former DDG (Hort.) ICAR, New Delhi. Shri Sharad L. Patel was conferred with Amit Padama Jagriti Award. Prof. D. P. Ray was conferred with Amit Prabudh Manishi Award and Dr H. P. Singh with Amit Krishi Rishi Award.

Dr D. P. Ray, the guest of honour, addressed the gathering and emphasized the need for further research on the effect of climate change on horticultural crops. In his presidential address, Dr A. R. Pathak, informed the delegates about the progress made by the university in climate-change studies and extended his best wishes for the research, policy and development-based recommendations for the benefit of the farming as well as the scientific community. Towards the end of the ceremony, Dr P. Rethinam, former Chairman, Coconut Development Board, Kochi, proposed the vote of thanks. The global conference comprised 15 technical sessions on diverse issues concerning Indian horticulture spread over three days and attended by 264 delegates from all parts of the country. During the conference interactive session with farmers, national essay competition, mango-eating competition and Horticulture Expo-2014 were also arranged.

PUNJAB AGRICULTURAL UNIVERSITY, LUDHIANA

Annual Convocation

Annual Convocation of the PAU, Ludhiana was held on 12 May, 2014. Dr V. L. Chopra, former Member, Planning Commission; Secretary, DARE, Government of India; & DG; ICAR, was the chief guest. On the occasion, 78 Ph.D. and 313 masters degrees were awarded in addition to 18 gold medals.



Dr Chopra giving away the Degree & awards

In his convocation address Dr Chopra said, "The PAU is an internationally acclaimed leader that has an enviable record of contributions to research, human-resources development and capacity building. It has generated materials and technologies that constitute the foundation of national food security. Congratulating the degree-holders, and the recipients of merit certificates and awards, Dr Chopra remarked, "It is a landmark event in your life that brings you to the threshold of a new phase of your career". Dr B.S. Dhillon, VC, informed that the university has earned national and international recognition for imparting quality education.

All India Inter-Agri Sports and Games Meet

The PAU was declared overall champion at the XV All India Inter-Agricultural Sports and Games Meet for the fifth consecutive year. The meet was organized

by the ICAR at AAU, Jorhat during 24-28 March. The PAU sportspersons got distinction in different games and events. The PAU basketball and volleyball (M) teams and table tennis (W) team won gold medals. The university players won individual medals in athletics. Shri Japjit Singh (Agricultural Engineering) secured the first position in 1,500m and second position in 800m race.



Agri sports champions of PAU.

PAU as Centre of Excellence for Seed Production

The university was declared as Centre of Excellence by the ICAR, New Delhi, on the basis of its work in seed production. It bagged this award for the first time in the field of seed production. Dr S. K. Datta, DDG(Crops), ICAR, New Delhi and VC, Acharya N.G. Ranga Agricultural University, Hyderabad, presented the award to Dr Joginder Singh Brar, Director (Seeds), during the IX Annual Review Meeting of ICAR Seed Project, held at PJTSAU, Hyderabad on 22 & 23 September. The award consists of a citation and a certificate. In this meet 34 agricultural universities, 22 ICAR centres and 161 scientists from all over India participated.



SRI VENKATESWARA VETERINARY UNIVERSITY, TIRUPATI

Outreach programme on food processing

The University has organized an outreach programme on food processing on 3rd August 2014 at College of Veterinary Science, Tirupati, in collaboration with National Institute of Micro and Small Entrepreneurs, Hyderabad. The Smt. Ratna Kumari, VC, Padmavathi Mahila University, inaugurated the meeting. About 300 farmers, scientists and faculty participated in the programme. The farmers were made aware of various schemes and opportunities in the food processing sector for taking up food processing as entrepreneurial activity. The important recommendations of the workshop were:



Smt. K. Ratnakumari and Dr T.S. Chandrasekhara Rao, inaugurating the workshop

- Cheap and cost-effective technology for mango and tomato processing should be evolved particularly, during the flush season, by developing food products for long term preservation and marketing.
- Mango and tomato fruit by-products should be utilized as animal feed
- Value-added milk and meat products should be prepared for adoption in rural areas.

Placement of Fisheries students

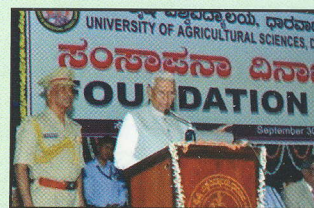
The university offers a 2-year diploma course in Fisheries at the Fisheries Polytechnic, Bhavadevarapalli, (Krishna district). All the 28 outgoing students of 2012-14 batch including 6 girls were recruited by several aqua companies including global firms such as M/s Lallemand Animal Nutrition, M/s Etern Biotechnology Pvt. Ltd., M/s Farm-Ocean Tech India Pvt. Ltd etc.



UNIVERSITY OF AGRICULTURAL SCIENCES, DHARWAD

Foundation Day

Foundation Day of the UAS was celebrated on 30 September 2014. Shri Vajubhai Valaji, H.E. the Governor of Karnataka and Chancellor of the universities, participated as the chief guest in the celebrations, which coincided with closing day of Krishi Mela-2014. He called upon the farm scientists to work closely with rural communities and guide the farmers. He stressed on the need to construct warehouses and cold storages to ensure higher farm incomes to the producers. Shri Prahlad Joshi, Member of Parliament (Dharwad) attended the meeting as the guest. Dr D.P. Biradar, VC, presided over the function, which



Foundation day celebration

was attended by Members of Board of Management, officers, staff and students in large numbers. Former VCs of the university, viz., Dr J.V. Goud, Dr M. Mahadevappa, Dr S.A. Patil and Dr R.R. Hanchinal, were facilitated on this occasion. HE also felicitated Ms Sarita Hegde, the 2012 ICAR Jawaharlal Nehru Awardee for best Ph.D. thesis; Dr Mallanna Nagaral, a progressive farmer and recipient of Honorary Doctorate from the UAS Dharwad (2006) and Jagjivan Ram Innovative Farmer Award (2012) and Mr Venkappa Uppar, the university graduate, who stood first in the ICAR-JRF exam 2014.

MoU between UAS, Dharwad and LUANAR, Malawi (Africa)

A team from Lilongwe University of Agriculture and Natural Resources, Bunda campus, Malawi (Africa) led by Prof. George Kanyama-Phiri its VC visited the university, on 10-11 September, 2014 and agreed to sign a memorandum of understanding to collaborate on a number of potential areas. As a part of MoU, the UAS would share its expertise and assist the LUANAR to develop curriculum catering to the needs of the seed system and seed industry, and help adopt UASD's concepts of seed-village and breeder seed revolving fund, to popularize better performing crop varieties and associated technologies with the farmers in Malawi. The university also agreed in principle to share some of the newly released crop varieties for the benefit of Malawian farmers. Further, this MoU encourages short and long-term exchange of scientific staff and students and work on collaborative research projects. This visit was facilitated by Sathguru Management Consultants Pvt. Ltd, Hyderabad, and Cornell University as a part of its Agricultural Initiative Partnership funded by the USAID and co-ordinated by Project Planning and Monitoring Cell of the UAS.

Dr Raj S. Paroda inaugurated IPNI Research Cooperators' Meet 2014

Dr Raj S. Paroda, Chairman, Trust for Advancement of Agricultural Sciences, New Delhi; Chairman, Haryana Farmers' Commission & former DG, ICAR & Secretary, DARE, New Delhi, inaugurated Research Cooperators' Meet 2014 at International Plant Nutrition Institute. While appreciating the IPNI for addressing the critical issues of balanced plant nutrition across the globe, he emphasized the need for co-operation and partnerships across multi disciplinary groups and countries on the lines of this institute. Dr Paroda highlighted the importance of soil and water management which was neglected during the initial phase of green revolution. He called upon for a paradigm shift from genetic-resource improvements to natural resource management in achieving global food security on sustainable basis. He observed that at present there was a policy paralysis with respect to agriculture at present. Therefore he called upon the scientists to reorient plant-nutrition research with 'Farmers first approach' to protect the interests of small holders. Dr D. P. Biradar, VC, presided over the function. While giving a major credit of success of green revolution to crop improvement, he emphasized upon efficient and holistic plant nutrition for improving the crop productivity. Complimenting the efforts of IPNI in promoting the concept of balanced plant nutrition, Dr Biradar promised full support and co-operation of the university to its activities. Dr Adrian Johnston, Vice-President and Asia & Africa Co-ordinator; Dr J. V. Goud, former VC, UAS, Dharwad; Dr R.R. Hanchinal, Chairman, PPVFRA, New Delhi, and former VC, UAS, Dharwad; and Dr Kaushik Majumdar, Director, IPNI South Asia Programme, attended the inaugural programme. More than 100 scientists from the country and abroad presented their research highlights on nutrient management in this technical meet.

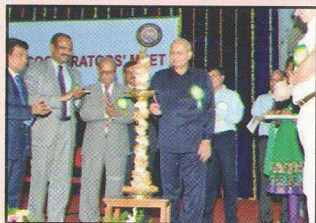
UNIVERSITY OF HORTICULTURAL SCIENCES, BAGALKOT

Production and Supply Chain of Pomegranate

A national conference on "Challenges and opportunities for production and supply chain of pomegranate" was organized by the university, in collaboration with National Horticulture Mission, Government of Karnataka during 17-19 June, 2014. Its agenda was to address the challenges and opportunities in production and supply chain of pomegranate (including exposure visit).



MOU signing ceremony



Dr Raj S. Paroda inaugurating the event

Shri. S. R. Patil, Minister for IT and BT and in-charge, Bagalkot district, inaugurated the conference, attended by other delegates including the MLA, MLC, board members and other dignitaries were present on the occasion. Dr. R.K. Pal, Director, NRCP, Solapur, gave the keynote address on "pomegranate: the way forward" emphasizing the different uses of pomegranate in pharmaceutical and confectionary industries.



Shri S.R. Patil inaugurating the conference

Farmers Parliament

The UAS in association with Consortium of Indian Farmers' Association of India, New Delhi, organized a Farmers' Parliament, involving progressive farmers of Agriculture, Horticulture, Animal Husbandry and Sericulture etc. along with traders, exporters, processing industry entrepreneurs, university scientists, officers of line departments, policy-makers like Members of Legislative Assembly and Members of Parliament etc. The university provided platform to deliver talk on various issues of farming brain- storming on different issues of production, processing, marketing, value addition, government policies, budgeting for next 5 years etc.

Shri. H.Y. Meti, MLA, Bagalkot, chaired and Shri P. C. Gaddigoudar, MP, Bagalkot inaugurated the workshop. Dr B. Raju, Vice Chancellor, Shri Chinnappa Soragavi, former MLC, Dr A.B. Patil, Director of Extension; Shri B. M. Desai, President, District Krishik Samaj, Bagalkot; and Shri Vasant Desai, a progressive farmer, were present during the occasion. During this workshop different experts from various backgrounds initiated a mind-blowing discussion on various related topics.

Awards

NATIONAL DAIRY RESEARCH INSTITUTE, KARNAL

Sardar Patel Outstanding ICAR Institution Award

The NDRI Karnal added another feather to its cap by earning Sardar Patel Outstanding ICAR Institution Award. PM Shri Narendra Modi presented the award to Dr. A.K. Srivastava, Director, at 86th Foundation Day and ICAR Award Ceremony held on 29 July 2014. It carried cash prize of Rs 10 lacs and a citation. Shri Radha Mohan Singh, Union Minister of Agriculture; Dr Sanjeev Kumar Balyan, Union Minister of State for Agriculture and Food Processing Industries; Dr. S. Ayyappan, Secretary DARE and DG, ICAR; Shri Arvind R. Kaushal, Additional Secretary, DARE & Secretary ICAR and many distinguished luminaries and vice-chancellors from national agricultural Research System graced the occasion.



Sh. Narendra Modi conferring Award to Director, NDRI

ANAND AGRICULTURAL UNIVERSITY, ANAND

Certificate of Appreciation and Trophy

Mr Onno Ruhl, Country Director, World Bank, (India), presented 'Certificate of Appreciation' to Shri. R. V. Vyas. The event was graced by Mr Peter Kenmore, FAO Director (India); Dr S. Ayyapan, Secretary, DARE & DG, ICAR; William Dar, DG, ICRISAT; and Dr D. Rama Rao, National Director, NAIP on the occasion of Agri-Innovation conclave at NASC Complex, ICAR, New Delhi. The university supported Agri-Biz Idol camp at Anand on 8 May, Krishi Parivartan Yatra of NAIP from Hyderabad to Delhi from 11 to 17 May and Conclave programme on 18-19, May 2014 at New Delhi.



Mr. Onno Ruhl giving away the award

Award for Best Paper Dr. C. K. Desai, Department of Agronomy, B. A. College of Agriculture, received Best paper presentation award (first Prize) for his paper: "Biotoxic effect of the herbicide on growth and yield of mustard [Brassica juncea (L.) Czern & Coss] and soil microorganisms" it was presented to him in second National Brassica conference on "Brassicac for addressing edible oil



Dr. C.K. Desai receiving award

and nutritional security", organized by Society for Rapeseed-Mustard Research, held at Punjab Agricultural University, Ludhiana.

CCS HARYANA AGRICULTURAL UNIVERSITY, HISAR

ICAR Best Teacher Award to Dr Pannu

Dr R.K. Pannu, Dean, College of Agriculture, was honoured with Bharat Ratna Dr C. Subramaniam Award for Outstanding Teachers-2013. The award carries a cash prize of Rs. 1 lakh and an equal amount of travel grant.

Patents for CCSHAU Technology

The patents office, Government of India, granted 2 patents to the university on:

1. Axial-Flow Seed Thresher, designed and fabricated by Er N.K. Bansal, Dr B.S. Dahiya and Dr. S.K. Lohan; and
2. Technologies meant for detection of cattle meat and buffalo meat, developed by Dr Minakshi, Shri. Hari Singh and Shri Gaya Prasad.

Best Centre Award

The university was honoured with the Best Centre Award for its outstanding contribution in research and development of rapeseed-mustard crops at the Annual Group meeting of All India Rapeseed-Mustard Research Workers, organised by Directorate of Rapeseed-Mustard Research, Bharatpur, (Rajasthan), at Bidhan Chandra Krishi Vishwavidyalaya, Kalyani, (West Bengal), for the year 2012-13. It was presented to the university by Dr Swapan Kumar Datta, Deputy Director General (Crop Science), Indian Council of Agricultural Research (ICAR).

MAHARASHTRA ANIMAL AND FISHERY SCIENCES UNIVERSITY, NAGPUR

Award distribution for farm School on AIR

The Directorate of Extension organized a programme: Farmers' school' (Nabhowani Shetishala) in collaboration with Aakashwani, Nagpur, dealing with Dairy Production. The farmers were awarded for their participation in a series of 13 radio programmes on 13 August 2014.

PUNJAB AGRICULTURAL UNIVERSITY, LUDHIANA

PM's Fellowship for Doctoral Research

Ms Babita Mukhija, a Ph.D. student of the PAU, bagged the prestigious Prime Minister's Fellowship for Doctoral Research in the discipline of Microbiology. The Fellowship is a PPP Initiative of Science and Engineering Research Board, of DST and Confederation of Indian Industries in the areas of Science, Technology, Engineering, Agriculture and Medicine. She is the only student from the Punjab state who has been awarded this fellowship. She will be working on "Characterization of native *Bacillus thuringiensis* isolates against *Mytilus edulis* Thunberg in pigeonpea and optimization of bioprocess parameters for batch culture" under the guidance of Dr (Mrs) Veena Khanna, Senior Microbiologist. Dr B. S. Dhillon, VC, lauded the efforts of all the concerned persons for bringing this distinction to the PAU.



Dr R.K. Pannu



Award to farmers on Farm School on AIR



Ms Babita Mukhija

NEW VICE - CHANCELLORS

Dr N.C. Patel joins as VC, AAU, Anand

Dr N.C. Patel took over as VC, AAU, Anand on 7th August, 2014. He was born on 1 July 1956. Dr Patel graduated in Agricultural Engineering from University of Udaipur, Udaipur, in 1978 in first division. He obtained his M. Tech. and Ph. D. in Agricultural Engineering with specialization in Crop Process Engineering from Indian Institute of Technology, Kharagpur, in 1980 and 1993 respectively. He served as Agricultural Engineer in M/s Jyoti Ltd, Vadodara (1982 to 1986). Then he joined as Associate Professor in GAU (1986) and was selected as Professor in GAU (1994). Then he



Dr N.C. Patel

served as Principal and Dean, College of Agricultural Engineering and Technology, Junagadh (2001 to 2009). He has played significant role in the overall development of CAET. Under his leadership the college got accredited by the ICAR and the AICTE. The activities regarding students' placement and counseling were strengthened during his tenure. This is the last 11 years.

This could result into 100% placement of the students through campus interviews consecutively during the last 11 years.

Dr Patel is the recipient of the ISAE Fellow award-2011 (46th Annual Convention of ISAE) and the ISAE Commendation Medal (42nd Annual Convention of ISAE). He received "Scientific Councilor Award - 2011" from Indian Society of Health, Environment, Education and Research, Jodhpur Centre, for his commendable work in the field of Crop Process Engineering and Crop Production, and Commendation Award from Western Agri-Seeds (Pvt.) Ltd., Gandhinagar. He worked as Director in Board of Management of three corporations of Government of Gujarat (Gujarat State Land Development Corporation, Gujarat Agro- Industries Corporation and Gujarat State Seeds Corporation) for 5 years and as Member in 25 other professional or Government bodies of the state. He was involved in the development of a number of processing equipments or technologies to help the entrepreneurs and agro-processors.

Dr D.L. Maheswar joins as VC, UHS, Bagalkot

Dr D.L. Maheswar, who took over as Vice-Chancellor, University Horticultural Sciences, Bagalkot, on 28 June, 2014. He was born on 1 May 1955 in an agricultural family of Kamagondanahalli village in Tumkur district (Karnataka). He completed M.Sc. from university of Agricultural Sciences, Bangalore and FRHS at the UK. He worked in different capacities in senior positions in Karnataka, rising to the position of Director of Horticulture, Lalbagh, Bangalore (2013).

During the 34 years of his service, he published 10 research papers, 7 extension articles and 9 books and bulletins. He has developed and promoted new variety of oil palm 'Taraka'.

Dr Maheswar completed 15 research projects funded from different agencies, including international and national collaborative projects. He visited Nepal, Sri Lanka, Malaysia, Thailand, Israel and China. He was responsible for establishment Centre of Excellence for Oilpalm at Bheemanakolli in H.D. Kote block of Mysore district. As Managing Director, HOPCOMS, he introduced market-intervention schemes for procurement and marketing of potato and onion including computerization in transactions.

Dr Maheswar was the recipient of many prestigious awards and distinctions. M/s Business and Economic Society for Trade, New Delhi, recognized his yeoman service by presenting Sarvshreshth Udyog Puraskar Award (1997). He also received International Excellence Award for horticultural promotion in Karnataka through HOPCOMS for productivity, quality and innovativeness at Kathmandu, Nepal on 24 January 1996.



Dr D.L. Maheswar

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