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INDIAN COUNCIL OF FORESTRY RESEARCH & EDUCATION



Forest on the bank of River Galathe, Great Nicobar

Photo : Dr. H.B. Naithani

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Editorial

Indian Council of Forestry Research and Education (ICFRE) quarterly Newsletter is making waves issue after issue. Dedicated teams of scientists and officers of Indian Council of Forestry Research and Education are busy in creating scientific discoveries and invention in the forestry sector in India. Their work span from minutest of organisms to the grandest, of them. One such example is the generation of DNA fingerprints of Teak plus trees by the scientists at Tropical Forest Research Institute, Jabalpur.

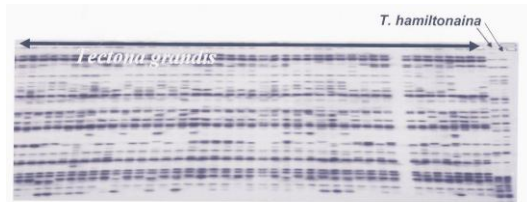
Foresters are trying to put facts of past together by undertaking documentation of history of forestry since Independence as a sequel to the 'Forests of India' - a book by E.P. Stebbing.

During the quarter, ICFRE and its Institutes have remained abuzz with workshops and seminars on current issues in forestry. I hope readers will relish the contents of this newsletter and will send their valuable inputs for improvement.

DNA fingerprints of plus tree of teak

Under the DBT project on molecular marker studies on teak, TFRI, Jabalpur used AFLP (Amplified Fragment Length Polymorphism) markers technique to generate DNA fingerprints of plus trees of teak. Four AFLP primer combinations gave more than 94% polymorphic DNA markers. The DNA fingerprints generated by the AFLP fingerprinting technique clearly distinguished all the plus trees of *Tectona grandis* from each other and from *T. hamiltoniana*. The molecular profiles were also used to

deduce genetic relationship using UPGMA (Unweighted Pair Group Method of Arithmetic Averages) method of clustering through construction of phenetic



DNA fingerprint of teak (*Tectona grandis*) plus trees and *T. hamiltoniana* generated through AFLP technique.

dendrograms. In the UPGMA dendrogram, majority of the plus trees clustered according to their geographical distribution with few exceptions, which could be due to movement of germplasm during plantation activities. Studies on genetic diversity of Indian teak populations using RAPD (Random Amplified Polymorphic DNA) and ISSR (Inter Simple Sequence Repeat) marker techniques have also been initiated.

Author's Workshop at Van Vigyan Bhawan, New Delhi



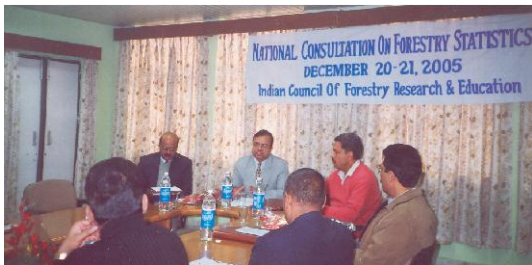
Shri J.C. Kala, IFS, D.G. (Forests) and other dignitaries at the inauguration of the Authors' Workshop

ICFRE organized the Authors' Workshop on 15th and 16th November, 2005 at Van Vigyan Bhawan of ICFRE, New Delhi which

was inaugurated by Shri J.C. Kala, IFS, Director General (Forests) and Special Secretary, Ministry of Environment of Forests, New Delhi to discuss the progress of book on 'History of Forests in India after 1947'. Among others Shri G. K. Prasad, IFS, Addl. Director General (FC), MoEF and DG ICFRE; Shri R. P. S. Katwal, IFS, Addl. Director General (Wildlife), MoEF and Dr. Shashi Kumar, IFS, Director (Research) were present.

This book will give a chronology of developments in Forestry and Environment Sector from 1947 till date and is a sequel to the Book titled 'The Forests of India' by E.P. Stebbing in four Volumes.

National Consultation on Forestry Statistics



Shri G.K. Prasad, DG, ICFRE, Dr. Shashi Kumar, Director (Research) and participants of workshop

The Division of Statistics, ICFRE held a two days workshop on 'National Consultation on Forestry Statistics' at Van Vigyan Bhawan, New Delhi on 20th and 21st December, 2005. The Director General, ICFRE, inaugurated the workshop. The main theme of the discussion was to sort out various issues prior to data collection and publication of 'Forestry Statistics India 2005'. The participants were the Nodal Officers (Statistics) of all ICFRE institutes, representatives from Ministry of Environment & Forests, Planning Commission, Director,

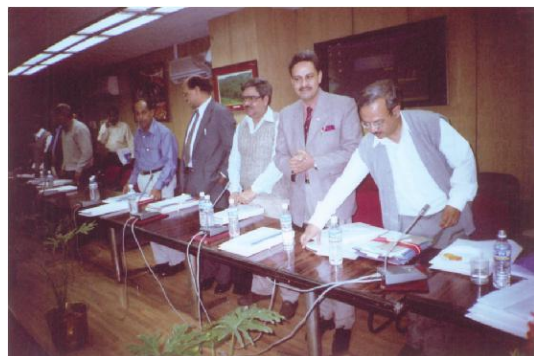
Forest Survey of India, Dr. K.D. Singh, Ex-FAO Expert among others. The Nodal Officers (Statistics) gave brief presentations about the mechanism followed for data collection. The workshop recommended early publication of 'Forestry Statistics India 2005'. Suggestions for improvement of the publication and setting up of a time frame were also enlisted during the workshop.

ICFRE Society Annual Meeting

ICFRE Society Annual Meeting was held on 23rd November, 2005 at Paryavaran Bhawan, New Delhi. Thiru A. Raja, Hon'ble Union Minister for Environment and Forests and President of the ICFRE Society delivered the presidential address on this occasion.



Thiru A. Raja, Hon'ble Union Minister for Environment and Forests delivering inaugural address



Society members participating Society Meeting at New Delhi



FRI, Dehradun organized Seminar

The Forest Research Institute (FRI), Dehradun organized a two days regional workshop on 'Challenges and Opportunities in Forestry Extension' from 17th to 18th November, 2005.

Regional Workshop on Forestry Extension

Institute of Wood Science and Technology (IWST), Bangalore organized a two days workshop on 'Forestry Extension: Experience Sharing and Perspectives' on 8th and 9th November, 2005. Shri S.K. Ramalinge Gowda, Addl. PCCF inaugurated the workshop. Among others Dr. Shashi Kumar, DDG (Extn.) and Dr. Mehar Singh, ADG (M&P), ICFRE participated in the workshop. The representatives of NGO's; Wood Industries and University of Agricultural Sciences, research organizations like IPIRTI, IIHR also participated in the workshop and presented papers. Extension strategies of different organizations, Indicators of performance in Forestry Extension, and Formulation of frame work for the future development of extension activities were discussed. Main recommendations are as follows:

Recommendations

1. Linkages need to be developed for use of Krishi Vigyan Kendras for extension of forestry technologies. Alternatively, Forestry Technology Demonstration Centres need to be developed in selected districts/divisions where forestry is the main stake in the area.
2. Emphasis should be laid on



Dr. Shashi Kumar, DDG (Extension), ICFRE releasing IWST Brochure

3. publication of technical documents and research findings in user-friendly regional languages.
3. Dissemination of information on forestry technologies through short documentary films/radio talks/ electronic and print media in regional languages should be encouraged.
4. Opportunities may be provided to the beneficiaries for exposure to success stories and experience sharing.
5. Appropriate market linkages with suitable institutional arrangements to be established for the forest produce.
6. Involvement of women both as extension worker and technology users should be strengthened.

Short term training course organized

FRI, Dehradun organized a short term training course on 'Environmental



Training on Environmental Problems and Bioremediation Techniques at FRI, Dehradun

Problems and Bioremediation Techniques' by Ecology and Environment Division from 17th to 21st October, 2005. Different aspects of environmental problems faced in our day-to-day life including role of plants and microbes in mitigating environmental degradation was discussed.

FRI, Dehradun organized a training course on Low Cost Nursery and Plantation Technology by Silviculture Division from 7th to 11th October, 2005. Field visits to Nursery, Seed Lab and Medicinal Plant Nursery at Muni Ki Reti were also arranged.

Institute of Forest Genetics and Tree Breeding (IFGTB), Coimbatore conducted training for 30 RFO trainees of State Forest Service College, Coimbatore from 24th to 28th October, 2005 on different aspects of seed technology, silviculture and plant biotechnology.

RFRI, Jorhat organized training for

State Forest Service College, Burnihat, Assam and Assam Forest Guard School, Makum, Assam on Propagation and multiplication of Bamboo species and nursery management on 30th December, 2005.

RFRI, Jorhat organized two days training on Advance Nursery Technology at Rain Forest Research Institute, Jorhat on 8th and 9th November, 2005 for Forest Officers and officials of State Forest Department, Manipur.

Centre for Forestry Research and Human Resource Development (CFRHRD), Chhindwara organized two-days training course on 'Conservation, cultivation and value addition of medicinal/aromatic plants' for 43 SFD officials, farmers and NGO's on 25th and 26th October, 2005.



Training on Conservation, Cultivation and Value addition of medicinal/aromatic plants at CFRHRD, Chhindwara

CFRHRD, Chhindwara organized one-day training course on 'Agroforestry with special reference to Medicinal plants' for 20 SFD officials, farmers and NGOs on 29th November, 2005.

CFRHRD, Chhindwara organized one-day training course on 'Biofertilizers and Biopesticides' for 30 Farmers of Loharbatari, Block



Chhindwara on 22nd December, 2005.

Institute of Forest Productivity (IFP), Ranchi imparted a two days field training on 'Modern Techniques of Lac Cultivation' to the members of Self Help Group Committee sponsored by S.E.P.C., Kolkata under the project 'Development of Pilot Broodlac Farm and Lac finishing facilities in Purulia, West Bengal' in the month of October, 2005. 90 trainees were participated in the training.

IFP, Ranchi imparted a two days training programme on 'Modern Techniques of Lac Cultivation' to the members of Van Samiti, Balaghat in October, 2005 under North Division and South Forest Division of SFD, Balaghat, M.P.

IFP, Ranchi conducted a three days training programme on 'Tassar Cultivation' in November, 2005 for Forest Guards/Foresters of SFD, Jharkhand.

IFP, Ranchi conducted a five days training programme on 'Modern Techniques of Lac Cultivation' from 28th November to 2nd December, 2005 for Forest Guards/Foresters of SFD, Jharkhand.

IFP, Ranchi conducted a three days training programme on 'Bamboo Propagation' in December, 2005 for ACFs of SFD and FROs of SFD, Jharkhand.

IWST, Bangalore imparted training to the officials of Central Coffee Research Institute, Chickamagalur on Techniques of Wood Anatomy from 14th to 15th December, 2005.

RFRI organized RAG Meeting

Rain Forest Research Institute (RFRI), Jorhat organized 7th

Research Advisory Group meeting held on 26th October, 2005.

IWST stall at Krishi Mela

IWST, Bangalore participated in "KRISHI MELA" organized by University of Agricultural Sciences during 17th to 20th November, 2005 by putting up a stall. The institute activities and achievements were exhibited. The objective of the participation in Mela was to generate awareness among farmers, general public, academician etc. regarding different aspects of forestry and wood science. Deputy Chief Minister of Govt. of Karnataka Shri M.P. Prakash also visited IWST stall and shown keen interest in the activities of the Institute.



IWST Stall at Krishi Mela 2005

IWST organized 15th Meeting of Review Committee

IWST, Bangalore organized 15th Meeting of Review Committee on 12th and 13th December, 2005 to review the progress of ongoing projects and completed projects of Eastern and Western Ghats, MoEF on behalf of MoEF.



15th Meeting of Review Committee at IWST

Visits of dignitaries

Ms. Alexis Chan and Ms. Adeline Goli, Executive Trade Promotion and Marketing Division, Malaysian Timber

Council visited IWST, Bangalore on 21st October, 2005.

Shri P. P. Srivastava, Hon'ble Member of North-East Council, Shilong visited RFRI, Jorhat on 21st November, 2005 and held discussions with the Director and Scientists regarding bamboo and cane research.

Publications

IFP, Ranchi published Annual Lac Bulletin 2004-2005 for distribution among different organizations and stakeholders under the institute's jurisdiction to boost the production of Lac.

Vigilance Awareness Week Observed

ICFRE and Institutes under it observed vigilance awareness week from 7th to 11th November, 2005. Various posters and slogans were displayed in the Notice Boards and various places. The officers and staff pledged to remain vigilant and work towards the growth and reputation of the organization and provide value-based service to countrymen.

During celebration of Vigilance Awareness Week an Essay competition was organized on the topic 'Bhrastachar Rastra ke liyae Nasoor' on 8th November, 2005 in the Board Room of FRI. The prizewinners will be awarded cash prizes on 26th January, 2005. The result of essay competition is as follows:

- 1. First Prize** - Shri S.K. Dhasmana, P.S., ICFRE
- 2. Second Prize** - Shri Vikas, R.A.II, Chemistry Division
- 3. Third Prize** - Smt. Roshni Chauhan, KPA, FSLR Division
- 4. Consolation Prize** - Shri D.N. Sharma, T.A.I, Botany Division.

OBITUARY

The ICFRE family deeply condoles the sad demise and pray for the peace of the departed souls of :

Dr. K.S. Bhandari, Scientist-F, ICFRE, Dehradun

15.11.2005

Shri Shailendra, Safaiwala, FRI, Dehradun

22.12.2005



Staff News

Promotion:

Shri S. Sathyanarayanan, E. & A.O., IFGTB, Coimbatore	21.11.2005
Shri M.B. Honnuri, R.O., FRC, Hyderabad	28.11.2005
Dr. (Smt.) I. P. Bora, R.O., RFRI, Jorhat	28.11.2005
Dr. (Smt.) N.D. Borthakur, R.O., RFRI, Jorhat	28.11.2005
Dr. (Smt.) Papori Sharma, R.O., RFRI, Jorhat	28.11.2005
Shri H.R. Borah, R.O., RFRI, Jorhat	28.11.2005
Dr. D. Dutta, R.O., RFRI, Jorhat	28.11.2005

Transfer

Shri B.S. Chandrashekhar, Scientist-B to IWST, Bangalore	09.08.2005
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Repatriation

Dr. Rajiv Kumar, DCF (AGMUT-86)	31.07.2005
Shri M.S. Negi, DCF (SFS-ALP)	05.08.2005
Dr. D.D. Haokip, DCF (MT-90)	30.11.2005

Shri Vinod Bhatia, DCF	31.12.2005
Shri Rakesh Mohan, Accounts Officer	31.12.2005

Joining

Shri R.S.C. Jayaraj, IFS, CF, (AGMUT-1987) IFGTB, Coimbatore	30.11.2005
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Retirement

Shri Kabool Chand, R.A.II (F/Mech.), FRI, Dehradun	31.10.2005
Shri Suresh Chand, Chowkidar, FRI, Dehradun	30.11.2005
Shri Raj Kumar, Chowkidar, FRI, Dehradun	30.11.2005
Shri Jagbandhu Das, Driver Grade-II, FRI, Dehradun	31.12.2005
Shri S. Sathyanarayanan, E. & A.O., IFGTB, Coimbatore	30.11.2005
Shri K.M. Mariappan, T.A. Gr-D, IFGTB, Coimbatore	30.11.2005

Book Post

To,

Patron :

Shri G K Prasad, DG

Editorial Board

Dr Shashi Kumar, DDG (Extn.), Chairman
Dr Mehar Singh, ADG (M&P), Honorary Editor
Dr Atul K Srivastava, ADG (Education), Member
Shri Vipin Chaudhary, ADG (P&P), Member
Shri A K Lal, ADG (Stat.), Member

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All communication and suggestions for improvement may kindly be addressed to :

Honorary Editor

Dr Mehar Singh, IFS, ADG (M&P)

Directorate of Extension, Indian Council of Forestry Research and Education, P.O. New Forest, Dehra Dun - 248006

E-mail : mehar@icfre.org FAX : 91-135-2750298

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