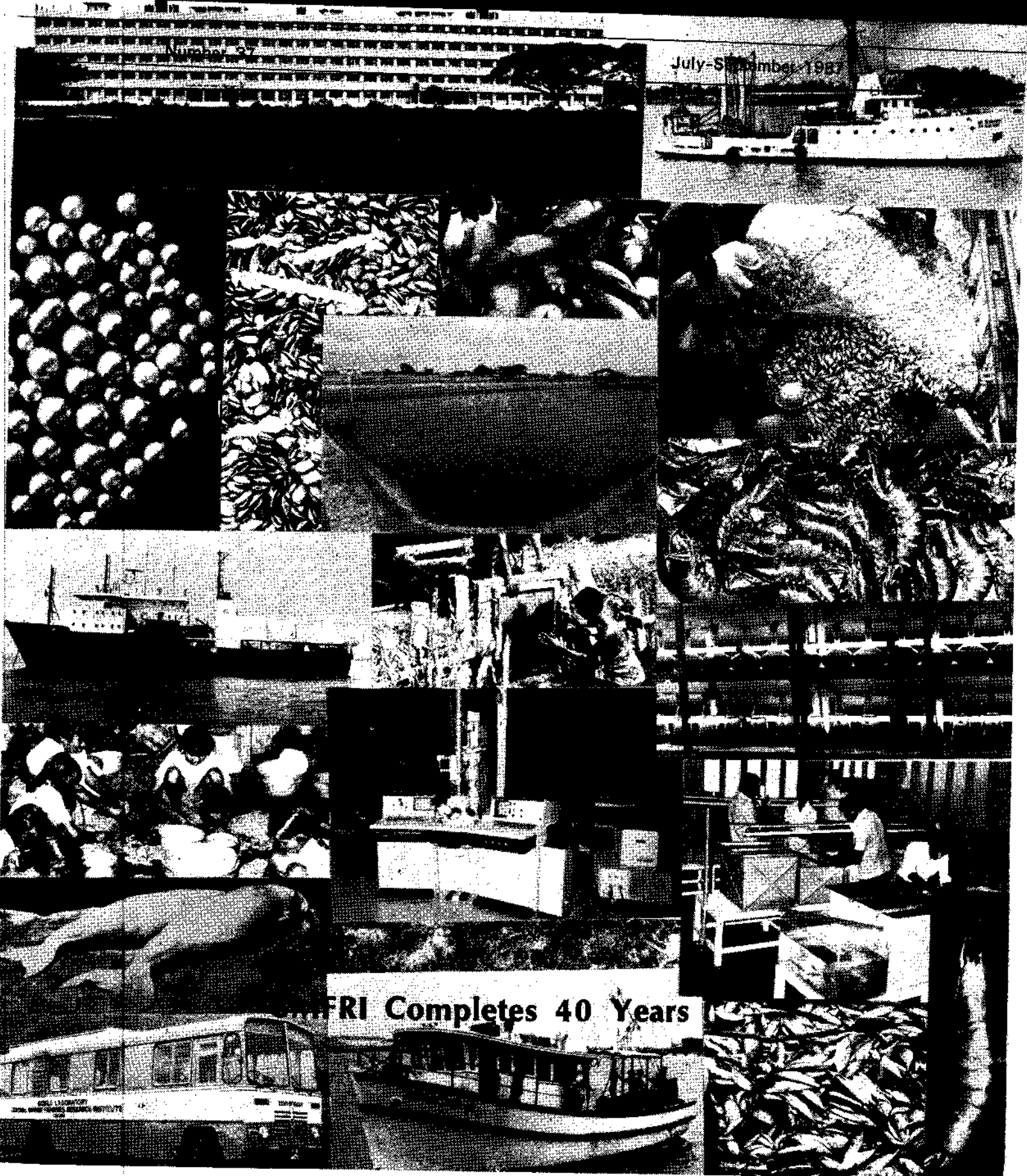




CMFRI newsletter



National Symposium on Research and Development in Marine Fisheries

The Central Marine Fisheries Research Institute completed forty years on September 1987. The celebrations organised at the Regional Centre of CMFRI at Mandapam Camp, former headquarters of the Institute, included a National Symposium on Research and Development in Marine Fisheries.

The National Symposium provided an appropriate forum for interaction among policy makers, planners, development managers, fishing industry and the scientists for discussing various issues connected with research, development and management of marine fisheries.

The symposium was inaugurated on 16 September by Shri T. Ramaswamy, Hon'ble Minister for Commercial Taxes, Tamil Nadu. Dr. S. Jones, former Director of CMFRI presided over the function. Dr. P. S. B. R. James, Director gave the welcome address and felicitations were given by Shri Ajay Bhattacharya, District Collector, Ram-

nad; Shri Anwar Raja, Chairman, Panchayat Union, Mandapam; Dr M. Y. Kamal, Asst. Director General (Fisheries), ICAR; Shri M. R. Nair, Director CIFT; Prof. P. C. George, Retd. Joint Commissioner (Fisheries), Ministry of Agriculture; Dr T. A. Mammen, Retd. Joint Commissioner (Fisheries), Ministry of Agriculture and Shri K. Virabhadra Rao, Retd. Scientist, CMFRI.

The Hon'ble Minister, while inaugurating the symposium stressed the importance of Mandapam as an ideal location for marine biological and fisheries research and the developments foreseen in the fisheries sector as well as conservation oriented activities such as the creation of National Marine Parks in the Gulf of Mannar.

A Souvenir highlighting the R & D activities in marine fisheries during the last 40 years was released by the Hon'ble Minister. A set of CMFRI special publications giving an appraisal

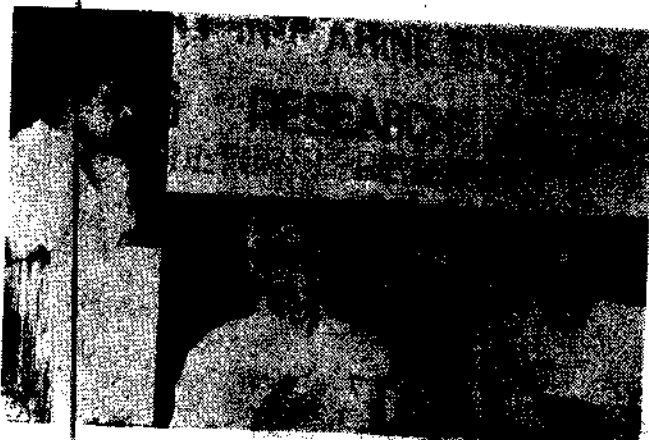
of the marine fisheries in different maritime states was released by Dr G. N. Mitra, former fisheries development adviser to Govt. of India.

The symposium had seven technical sessions covering national fisheries policy and planning, research in marine capture fisheries, marine fisheries development and management of marine fisheries. Besides these, a poster session of about 125 papers were presented at the symposium.

There were 150 registered participants to the symposium covering a wide cross section of people drawn from research institutes, state government departments, central organisations, agricultural and other universities and the industry.

The Plenary session brought out a number of useful recommendations.

CMFRI COMPLETES 40 YEARS



*Honourable Minister Shri T. Ramaswamy
inaugurating the symposium. Seated
Dr S. Jones, Former Director and
Dr P S B R James, Director, CMFRI*



Dr P S B R James, welcoming the gathering



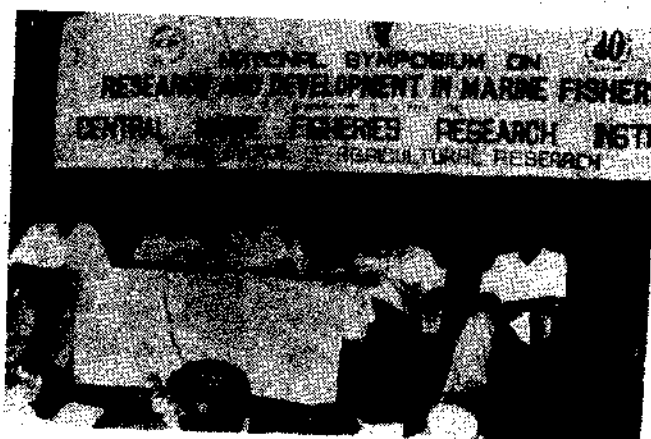
*The chief guest is being taken around in the
museum at the Regional Centre*



*The Minister and other guests visiting
the aquarium*



*The participants of the symposium
on a field visit*



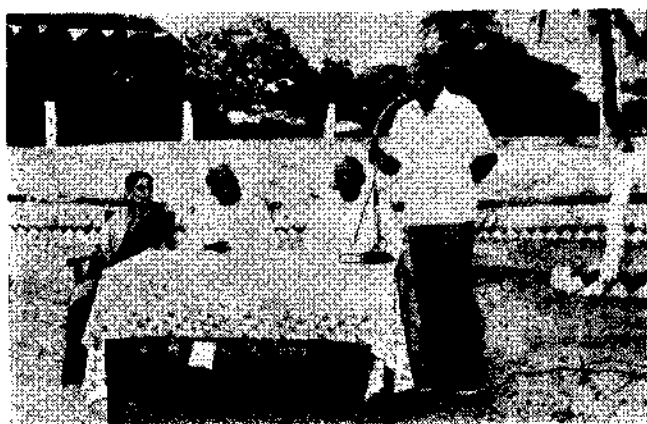
Plenary session of the symposium



Shri K. Balam opening the Children's Park



Smt. Balam distributing sweets to the children



Shri P. Natarajan, Scientist, CMFRI proposing vote of thanks at the inaugural function of the Children's Park



Country craft race organised in connection with the Symposium



An item from the cultural programme organised in connection with the symposium



A scene from the drama staged by CMFRI staff members as a part of the cultural programme

Mass Settlement of Green Mussel Spat

CMFRI has succeeded in getting mass settlement of green mussel spat. The green mussel *Perna viridis* (Linnaeus), is one of the important molluscs suitable for aquaculture because of its high meat content. Availability of seed in nature is a major constraint in commercialisation of the species and CMFRI has been taking effort since 1983 in developing hatchery technique for large-scale production of mussel seed. Ex-

periments carried out in May-August 1987 culminated in getting more than 20,000 mussel spat from the spawning on 22 May and about 41,000 spat from the spawning on 18 July. An interesting fact is that the parents for the latter spawning were drawn from cultured stock of brown mussel available at the Muttukadu farm of CMFRI. This achievement also indicates the possibility of domesticating this marine species.

In one of these experiments mussel larvae were fed with the micro alga *Isochrysis* sp and in another experiment they were fed separately with *Isochrysis* sp., *Chromulina* sp., *Dicrataria* sp. and *Pavlova* sp. Better growth and higher settlement were obtained with *Chromulina* sp. and *Dicrataria* sp. Settlement was noticed mainly at the bottom of the FRG tanks. However, a good number of spat settled on the de-twisted polypropylene ropes also.

Oyster Resources Survey

Five estuaries in northern Kerala viz. Murad, Korapuzha, Beypore, Chaliyam and Kallayi were surveyed by a team consisting of Dr K. Satyanarayana Rao and Shri R. Sarvesan, Scientists and Dr R. Thangavelu, Technical Assistant. The survey was carried out during August using the facilities in the CMFRI's mobile laboratory. Oyster resources mainly comprising *Crassostrea madrasensis* were located in all the estuaries surveyed excepting Kallayi. Commercial exploitation of oyster resources to meet the demand for shellfish at Calicut was observed at Korapuzha estuary.

Krishi Vigyan Kendra

Eight courses on scientific farming of prawn and fish of five days duration each were conducted in which 95 farm men and 26 farm women were trained.

Seventeen training programmes on different aspects of integrated farming were arranged for the benefit of 95 farm men and 238 farm women.

A 15-day training programme for the benefit of 26 Harijan farmers of Matsya Vyavasaya Sahakarana Sangham of Narakkal was organised under the special component plan of the Department of Fisheries, Kerala State.

Farmers' Meet

With the objective of bringing prawn seed collectors of Vypeen island under a common forum and exchange of ideas among themselves and subject matter specialists a Farmers' Meet was organized by KVK. Seventyone farmers from Vypeen island who were actively involved in prawn seed collection participated in the meet. Shri K.H. Mohamed, Retired Scientist of CMFRI, Shri Simon John, Deputy Director, MPEDA, Shri Purushan, Associate Professor, Ke-

rala Agricultural University, Shri Meeran, Deputy Director, State Fisheries Department, Shri K.V. George, Dr M.M. Thomas and other members of KVK participated in the discussions.

A publication entitled 'Integrated farming — A Project Profile. (KVK Patrika — Mariculture Series — 8) by Shri P. Radhakrishnan was brought out.

Hindi Week Celebration

Hindi Week was celebrated at CMFRI from 14-21 September. The celebrations were inaugurated by Dr P. V. Vijayan, Professor of Hindi, University of Cochin. Competitions were held in Hindi essay writing, drafting, translation, typing, elocution, music etc. A variety entertainment programme in Hindi was also staged by the staff of the Institute. Shri M. Swaminath, Director, CIFNET was the Chief guest for the valedictory function and gave away the prizes to the winners of the competitions.

ICAR Award to Pearl Culture Team

The team of scientists led by Dr K. Alagarswami, engaged in pearl oyster culture has been bestowed the ICAR Award for Team Research in Fisheries for the biennium 1985-86 for the inter-disciplinary team work on development of hatchery technology for controlled breeding and spat production in the Indian pearl oyster, *Pinctada fucata* (Gould). The citation of Award reads,

"The significance of this achievement lies mainly on its application in the commercial production of pearl oyster in a hatchery. Studies on various aspects pertaining to the production of pearls by single multiple implantation, studies on larval growth and feeding, control of biofouling and boring organisms, induced maturation of pearl oysters and development of technology for the pro-

duction of food organisms through environment control as well as mass production of oyster seed have made the development of technology for commercial production of pearl oysters possible in the country".

The members of the team are Messrs. S. Dharmaraj, T. S. Velayudhan, A. Chellam, A. C. Victor and A. D. Gandhi.

♦ ♦ ♦

Visitors Minicoy

Shri Wajahat Habibullah, Administrator, Union Territory of Lakshadweep.

Kakinada

D. F. Sc. Trainees of CIFE, Bombay.

Madras

The following visited FORV Sagar Sampada.

Students and research scholars, CAS in Marine Biology, Porto Novo.

Trainees, CIFNET, Madras.

Sub Inspector and Inspector trainees, Tamil Nadu, State Fisheries Department.

* * *

Films Division of India has filmed the activities of Tuticorin Research Centre and harvesting of prawn on commercial basis.

Engagements

Dr P. S. B. R. James, Director attended the following meetings.

ICAR Research Audit Meeting at New Delhi, 16 July.

Meeting of the High Power Committee of the Department of Agriculture at New Delhi, 16 July.

Meeting of the ICAR Review Committee at IARI, New Delhi, 21 July.

Discussions on International Aquaculture Symposium in India at New Delhi, 24 August.

Twentysecond Meeting of the Technical Committee of the MPEDA at Hyderabad, 25 August.

Second Meeting of the Special Sub-group on Marine Fisheries at Mandapam Camp, 19 September.

ICAR Draft Audit Paragraphs Meeting at New Delhi, 21 September.

Meeting of the ICAR Regional Committee No. VIII at Sugarcane Breeding Institute, Coimbatore, 29 September.

Shri S. K. Chakraborty, Scientist S-1 participated in the Summer Institute on Quantitative technique in Fisheries Research at CIFE, Bombay, 14-25 July.

Dr S. Ramamurthy, Scientist S-3 attended an ad hoc board of studies meeting in ocean life sciences at University of Madras 18 July.

Dr S. Ramamurthy, Scientist S-3, Dr K. Satyanarayana Rao, Scientist S-3 and Shri M. Kathirvel, Scientist S-2 gave lectures under UGC programme on improvement of teaching in fisheries and aquaculture for college teachers, at Madras 21-22 July.

Shri S. Madhavan, Scientist S-3, attended the course on Agricultural Research Project Management at NAARM, Hyderabad, 23-26 Sept.

D. Sc. Degree Awarded To Dr PSBR James



Dr P.S.B.R. James, Director, Central Marine Fisheries Research Institute, Cochin is awarded the degree of Doctor of

Science in Zoology by the Banaras Hindu University for his thesis entitled "Studies on some marine fishes of India".

The thesis highlights his scientific contributions on the discovery and description of a new species, reporting occurrence of two additional species, systematics, identification sheets for species occurring in the western Indian Ocean, osteology, biology, blue green algal association with some species and resources of silver bellies (family Leiognathidae) from the seas around India.

The other contributions highlighted in the thesis include his results of research on the systematics, biology and fishery of other commercially important marine fishes such as ribbon fishes, sharks, skates, rays, eels and pipe fishes.

The most significant contribution has been his extensive research on the fishes of the families Trichiuridae and Leiognathidae with special reference to the status of these resources, their exploitation and future scope for increasing marine fish resources.

Appointments

Shri E. Athmanathan as Administrative Officer at Cochin, 28 Sept.

Miss D. Subhadra as Technical Assistant (T-II-3) at Madras on compassionate ground, 12 August.

Shri B. Vijayakumar, Senior Clerk as Assistant on regular basis at Bombay, 28 September.

Shri Krishna Rao, S.S.G. I (Watchman) as S. S. Grade II (Watchman) at Visakhapatnam, 27 July.

Shri V. A. Surendran, S. S. Grade III (Khalasi) as S. S. Grade IV (Khalasi) at Cochin, 27 July.

Shri Manju M. Gond as Supporting Staff Grade I (Watchman) at Karwar, 3 August.

Shri C. M. Rajappan, S. S. Grade III (L.A.) as S.S. Grade IV (L.A.) at Vizhinjam, 11 August.

Reversion

Shri P. Sukumaran, S.S. Grade IV (L.A.) reverted as S.S.G. III (L.A.) as opted for by him.

Transfer

Dr C. Gopal, Scientist S-1 from Visakhapatnam to Veraval.

Shri C. V. Seshagiri Rao, Senior Technical Assistant (T-2) from Kakinada to Visakhapatnam.

Shri Mathew Joseph, Junior Technical Assistant (T-2) from Vizhinjam to Cochin.

Shri A. Ahamed Kamal Basha, Field Assistant (T-1) from Karwar to Madras.

Shri T. S. Balasubramanian, Technical Assistant (T-II-3), from Goa to Tuticorin.

Reliefs

Shri P. C. Jacob, Administrative Officer to take up the appointment as Senior Administrative Officer at CTRL, Rajamundry, 30 Sept.

Shri Abhoy Kant Pathak, Scientist S-1 on resignation, 2 July.

Shri Bipin Bihari, Scientist S-1 on resignation, 27 August.

Shri Ravi Kumar Fotedar, Scientist S-1 on inter-institutional transfer to CIFE, Bombay, 28 August.

Shri H. S. Sivanna, Junior Technical Assistant (T-2) on inter-institutional transfer to IHR Bangalore, 20 September.

Shri D. Vincent, Technical Assistant (T-II-3) to take up the post of Farm Manager in MPE-DA, 9 July.

Dr V. Selvaraj, Technical Assistant (T-II-3) to take up the post of Farm Manager in MPE-DA, 15 July.

Deputation Abroad

Dr M. Rajamani, Scientist S-2, to Japan for undergoing training in Marine Ranch System (Marine Farm) under Colombo Plan, 23 August - 10 December.

Weddings

Dr N. Sridhar and Dr Manpal Singh Sanhotra, Scientists at Cochin married at Bangalore, 1 August.

Shri Chennappa Gowda, Junior Technical Assistant at Karwar married Kumari Devaki at Sullia, 8 July.

Obituary



Shri Dharmaraja

Shri S. K. Dharmaraja expired on 18 April. He started his career as computer in 1956 and by dint of hard and sincere work rose to scientist S-3. Shri Dharmaraja was in charge of the Fishery Resources Assessment Division of the Institute during 1984-85.

Shri R. Pushpalingam, S. S. Grade I (Watchman) at Madras expired, 6 September.

Cover : Some major areas of Research and facilities at CMFRI.

Design : Shri P. Raghavan, Photographer