



C. T. R. I.

NEWS LETTER

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MAJOR EVENTS

The Krishi Vigyan Kendra was inaugurated by Shri G. Butchayya Choudary, MLA on 8th October, 1983 on behalf of Shri N. T. Rama Rao, Hon'ble Chief Minister of Andhra Pradesh, in the Central Tobacco Research Institute Old Buildings (near Andhra Pradesh Paper Mills) Rajahmundry. Shri ACY Reddy, Chairman, Municipal Council, Rajahmundry, presided over the function. In his welcoming address Dr. N. C. Gopalachari, Director, explained the main aims and activities of the Kendra. He described how it will serve as an excellent training ground

to the farmers of this region for imparting practical training in the improved technology developed by Central Tobacco Research Institute and Andhra Pradesh Agricultural University in growing food crops, commercial crops, horticultural crops, poultry farming, dairy farming, bee-keeping etc. He mentioned that already three batches (each of 25 trainees) of young-tribal farmers from Chintapalli & Rampachodavaram areas were imparted training in raising Burley tobacco nurseries on scientific lines during July and August, 1983. He said that facilities would be provided to give training at CTRI Farm Kalavacherla also soon after the land is acquired.



Dr. N. C. Gopalachari explaining the activities of Krishi Vigyan Kendra. S/Sri Ch. Apparao, G. Butchayya Choudary and ACY Reddy were seated from LR.

Shri Butchayya Choudary in his inaugural speech said that after independence though the acreage and yields have gone up, the economic conditions of the farming community did not show any progress and he hoped that the Kendra will definitely improve the economic status of the farmers under the dynamic leadership of Dr. N. C. Gopalachari.

Shri ACY Reddy distributed Rs. 810/- each to the tribal women, who raised white Burley seedlings within two months under the technical guidance of the scientists of the Institute. Shri K. Balagopal, Head of the Division, Agronomy and K.V.K. incharge, proposed a vote of thanks.

RESEARCH HIGHLIGHTS

Central Tobacco Research Institute, Rajahmundry:

The process of incorporating black shank resistance in tobacco varieties through interspecific hybridization using *N. plumbaginifolia* as donor species is progressing satisfactorily.

Tobacco seed, collected for seed purposes after usual sundrying and storage at ambient temperatures in bins with calcium chloride and sealed with cellotape retained its viability for 6 years.

CTRI Research Station, Guntur :

Sucker emergence in natu tobacco after topping was effectively controlled with a coarse spray of AC-92 grade compound (Accotab) on the top 3 internodes at the concentration of 0.25%. The treatment has enhanced the cured leaf yield to about 12% and suppressed the suckers to 47% over the control.

CTRI Research Station. : Vedesandur

Incidence of leaf-spot, leaf-blight, leaf-curl and black-shank were alarming in farmer's fields due to unfavourable weather that prevailed for the last three weeks in December, 1983 all over the state. These diseases were effectively controlled by spraying of Dithane Z-78

and Bordeaux mixture, besides broad casting precautionary measures through All India Radio for the benefit of the tobacco farmers.

CTRI Research Station, Hunsur :

Advanced breeding line FCH-13 which has been found to perform well in semi-dry conditions of Hunsur tract has been taken up for determining its optimum fertilizer and cultural requirements.

CTRI Research Station, Pusa :

Fertilizer schedule for the targetted yield of chewing tobacco for the sandy loam calcareous soil belt of North Bihar was developed. Yield target of 20 to 25 quintals/hactare has been demonstrated in the villages of Samastipur district, Muzaffarpur district and Vaisali district.

LAB-TO-LAND PROGRAMME

CTRI, Rajahmundry :

Fertilizers were procured and distributed to the 150 beneficiaries of the programme in the adopted villages of Atchayyapalem, Venkatanagaram and Vengumukkalapalem. seedlings of *Lanka* Special and Godavari Special were

supplied to 50 farm families of Venkatanagaram and Vengumukkalapalem respectively. 50 litres, of 'Nuvacron' was distributed to the 100 adopted farming families at Atchayyapalem and Vengumukkalapalem. Demonstrated the use of NPV and its preparation at Venkatanagaram and supplied 100 ml. of NPV solution to the participant farmers.

Farmers' day celebration :

'Rythu Sadassu' (farmers' day) was organised by Zuari Agro Chemicals Ltd., at Thimmapuram on 23rd November, 1983 in which Sri M. Someswara Rao, Head of the Division, and Sri S. K. Naidu, Scientist 'S' of Agricultural Extension, also spoke.

Farmers day celebration was organised by SPIC at Murari of East Godavari District on 21st December, 1983, in which Sri M. Someswara Rao, Head of the Division of Agricultural Extension, Sri T. Sitaramachari, Officer-in-Charge, CTRI Research Station, Kalavacherla, Sri T. S. N. Reddy, Scientist S-1, Sri M. J. Wilson, Scientist. S-1 and Sri M. Sannibabu, Scientist S-1 have participated.



'Rythu Sadassu' at Murari.

CTRI Research Station, Pusa has organised field day celebrations on 21st October, 1983 jointly with the Indian Farmers Fertilizers Co-operative Limited in the nearby villages. On this occasion identification of pests in the fields and demonstrations of the use of plant protection instruments and chemicals were explained and free distribution of pesticides to the poor farmers was arranged by Indian Farmers Fertilizers Co-operative Limited. The Research Station has organised exhibitions, training to farmers and Development workers and radio talk on timely tips by the Scientists of the Station on several occasions.

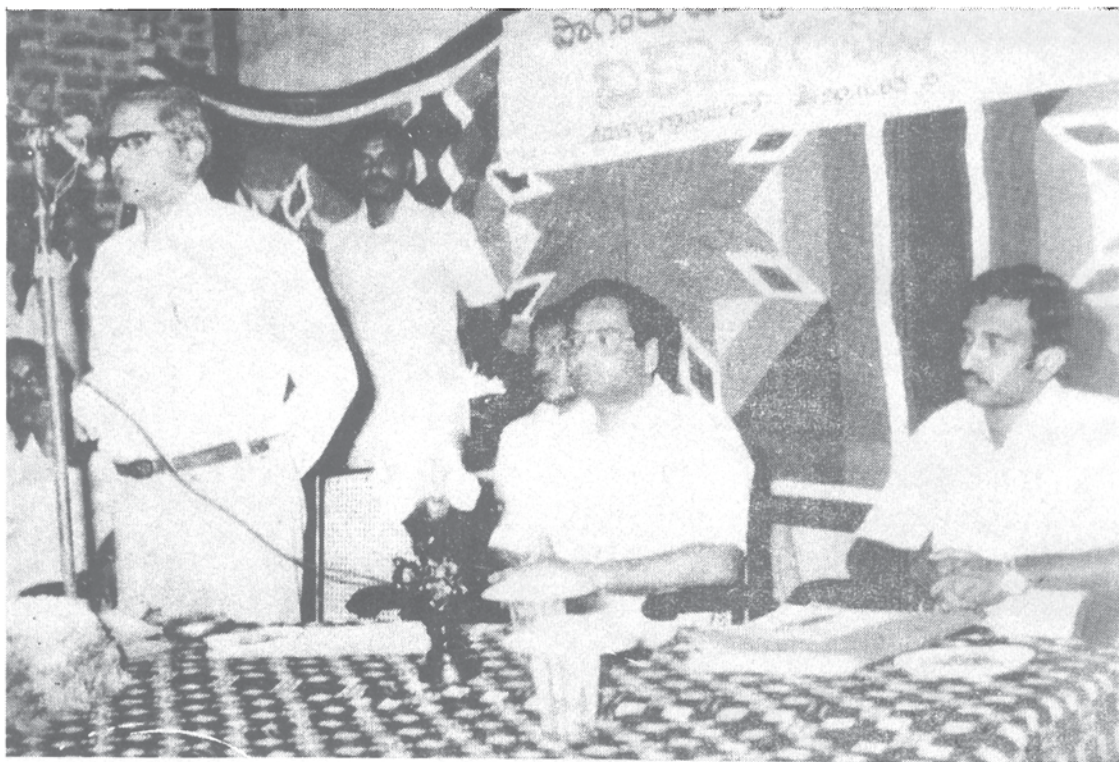
CONFERENCES & SYMPOSIA

A 'Vikasa Goshti' Programme on improving yields of tobacco was organised by the Tobacco Board at Chima-kurthy village on 20th November, 1983. Sri J. Bapu Reddy I.A.S., Executive Director, Tobacco Board presided over the function at which Dr. N. C. Gopalachari, Director Central Tobacco Research Institute, Rajahmundry was the Chief guest. Sri R. Srinivasulu, Officer-in-Charge, and Sri V. Venkateswarlu, Scientist, CTRI Research Station, Kandukur and Sri U. Venkata Rao, Assistant Manager

(Production) Tobacco Board, Guntur, also participated.

Sri J. Bapu Reddy in his inaugural address stressed the need to improve the per acre yields and quality of tobacco specially in the Southern light soils. He exhorted the tobacco growers to boost up quality produce and to regularise the production to meet the internal and external demands. Alternative and profitable crops must be adopted taking advantage of the latest methods of technology and expertise available with the scientists of Central Tobacco Research Institute.

Dr. N. C. Gopalachari in the course of his speech observed that due to lack of irrigation facilities and vagaries of monsoon, the tobacco crop especially in the Southern light soils is becoming a failure and suggested that they should give one or two irrigations between 45th and 60th day after planting, exploiting the underground water sources. He advocated a number of measures to improve the yields and quality viz., improved package of practices including *inter alia*, integrated pest and disease management evolved by Central Tobacco Research Institute for effective control of *Spodoptera litura* F.



Dr. N.C. Gopalachari suggesting various methods to improve the yield and quality of tobacco crop in the Southern light soils.

Dr (Mrs.) U. Subhashini, Scientist S-2, Division of Genetics & Plant Breeding, Central Tobacco Research Institute, Rajahmundry, has participated in the Satellite Symposium on "Cytogenetics of higher plants, Chromosome Structure and behaviour" held at Andhra University, Waltair from 6th to 8th December, 1983.

Sri A. B. Sastri, Scientist S-2 (Plant Breeding) Central Tobacco Research Institute, Rajahmundry has participated in the "XV International Genetics Congress" held at New Delhi from 12th to 22nd December, 1983.

Management Committee Meeting :

The 17th Management Committee Meeting was held

in the newly constructed building of CTRI Research Station, Guntur on 21st November, 1983 under the Chairmanship of Dr. N. C. Gopalachari, Director, CTRI Rajahmundry, with the following members viz., Sri B. Ramdev, MLC, Hyderabad ; Sri P. Mohan Rao, Hyderabad ; Sri T.V. Asari, Accounts Officer, C.R.R.I., Cuttack ; Sri B. G. Joshi, Scientist S-3 ; Dr. K. Nagarajan, Scientist S-3 and S.A.O.i/c ; Sri K. Balagopal, Scientist S-2 ; Sri K.S.N. Murthy, Scientist S-2 ; Sri C. R. Nageswara Rao, Scientist S-1 ; of C.T.R.I., Rajahmundry and Sri V.V. Ramana Rao, Scientist S-2 & Officer-in-Charge, CTRI Research Station, Guntur.

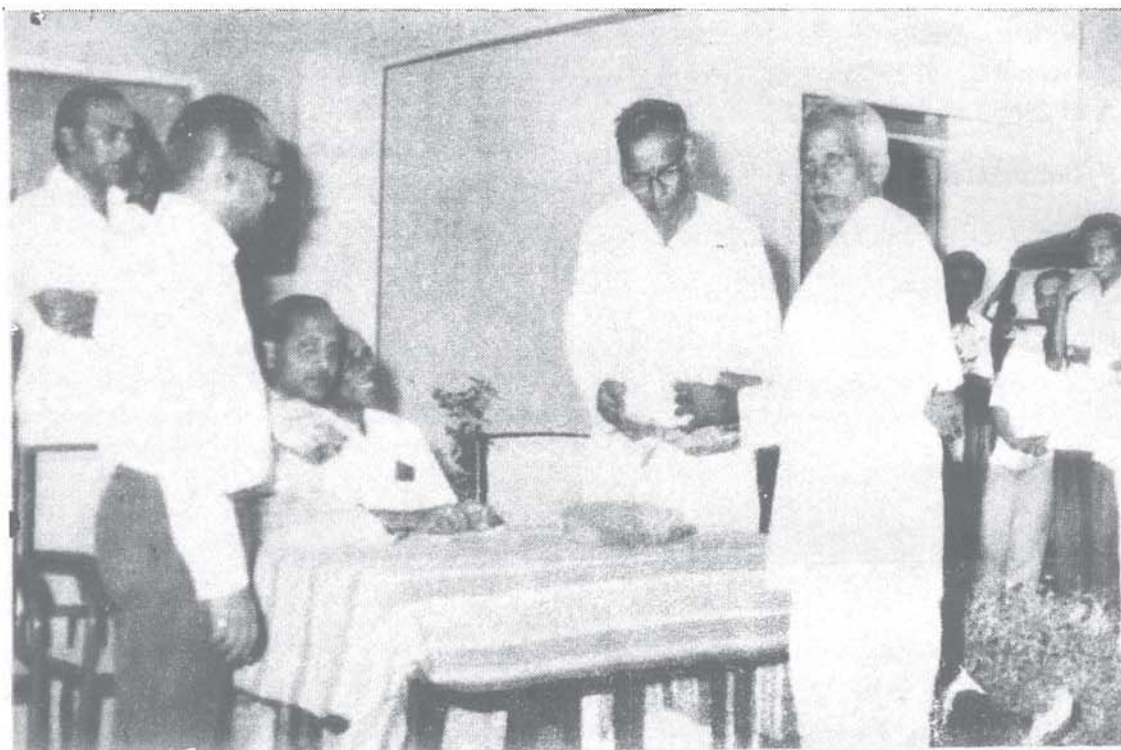


Management Committee meeting held at CTRI Research Station, Guntur

Training under Krishi Vigyan Kendra :

Under the auspices of Krishi Vigyana Kendra of Central Tobacco Research Institute 'On campus Training' was organised from 15th to 17th December, 1983 for three batches of cultivators from the nearby villages of Guntur District. Sri B.V. Sivayya, Vice-Chairman, Tobacco Board, presided over the function, Sri M. Bangarayya,

Officer-in-charge, Krishi Vigyan Kendra, C.T.R.I. Rajahmundry explained the objectives of the Kendra. Dr. N. Krishnananda, Scientist S-1 (Entomology), C.T.R.I. Rajahmundry, explained the new methodology of pest control and the use of Neem Kernel suspension and pheromone traps besides distributing 3 pheromone traps and 2 kgs Neem Kernel powder to the participant cultivators.



Sri B.V. Sivaiah, Vice Chairman, Tobacco Board distributing NSKS and Pheromone traps to the cultivators.

CTRI Research Station, Veda sandur :

Chewing tobacco Seminar was held on 30th September, 1983 at Kanuvakkarai (Meenampalayam tract) and about 450 prominent farmers participated.

Dr. G. J. Patel, Project Co-ordinator, AICRP, Anand, Sri A. N. Singh, Director, Tobacco Development, Madras and Sri J. Bapu Reddy, Executive Director of Tobacco Board, Guntur attended the function. They gave a talk about the different types of tobaccos produced and marketed in India and abroad.

Sri S. Krishnamurthy, Scientist S-3 & Officer-in-charge of CTRI Research Station, Veda sandur explained in

detail about improved package of practices with agrotechniques, optimum requirement of nutrients and the varietal improvements in chewing tobacco of Tamil Nadu.

TOBACCO INSTITUTE CLUB

The South Zone ICAR Inter Institutional Tournaments were conducted at IHR, Bangalore from 3rd to 7th October, 1983. On behalf of Central Tobacco Research Institute and its Regional Research Stations thirtysix members have participated in the following events: Volley ball (both Volley & Shooting), Kabadi, Shuttle Badminton, Table tennis and other sports. The CTRI Unit teams were led by Sri N.S. Murty as leader and Sri M.C.M. Reddy as its Chief Manager.

It is very happy to note that the volley ball team of CTRI has won the South Zone trophy in both Volley and Shooting events. It is also equally delightful to know that in Table tennis singles (individual) event our player did well and come out as runnersup.



Winners of Volley ball team (volley) with Dr. N. C. Gopalachari, Director and other officials. S/Shri S. K. Naidu, N. Veerraju, S. S. Prasad, B. V. V. S. N. Murthy, P. Subbarao, S. Nageswara Rao, A. J. Narayanan, M. Ramamohan Rao and V. S.N.Murthy.



Winners of Volley ball team (Shooting) with Dr. N. C. Gopalachari, Director and other officials. S/Shri S. S. Prasad, S. V. V. S. Narayana, S. K. Naidu, N. Veerraju, M. C. M. Reddy, G. Adinarayana, D. P. Babu, G. Nageswara Rao and L. S. Prasad

Runners-up Table tennis (Individual event)

Sri V. K. Dhobal.

The performance of our teams is par excellence and highly commended by the Director, IIHR, Bangalore.

To felicitate the teams a function was arranged on 11-11-1983 at the Institute's premises. Dr. N. C. Gopalachari, Director presided over the function and distributed the prizes and certificates to the players.

The volley ball teams will participate in the Inter Zonal matches to be held shortly at IIHR, Bangalore.

TRAINEES & VISITORS**CTRI Rajahmundry :**

Training has been imparted to the 14 newly recruited Field Officers of Tobacco Board on improved production technology from 28th October to 9th November, '83.

14-10-'83 S/Shri G. Nagarajao & G. Munuswamy Geologists, Oil and Natural Gas Commission, Rajahmundry.

CTRI Research Station, Guntur :

27-9-'83 Sri R. S. Singh, Marketing Officer with 6 inservice trainees from Directorate of Marketing and Inspection, Govt. of India, Nagpur.

20-10-'83 Sri V. Jain from Messers Golden Tobacco Company, Guntur.

17-11-'83 : Sri P. V. K. H. Prasad, Lecturer in Agriculture along with 30 students of Agriculture Degree class of Hindu College, Guntur.

CTRI Research Station, Vadasandur :

12-10-'83 : Dr. Ramanathan, Soil Scientist and Dr. Ayyamperumal, Breeder from Soil Salinity Centre, Trichy.

29-10-'83 : Dr. Muthaiah, Prof. & Head, KVK Madurai Sri N. Viswanadhan Associate Professor (Extension), Sri L. Narayanan, Agricultural Engineer, Dr. K. T. Subbaya, Professor (Pathology), Dr. G. Venkatasubramaniam, Agronomy.

11-11-'83 : Dr. Kandaswamy and Dr. Santhanakrishnan, Division of Microbiology, Tamil Nadu Agricultural University, Coimbatore.

22-11-'83 : Dr. Vasuthevamenan, Nematologist, Madurai.

21-12-'83 : Dr. Lakshminarasimhan, P. G. Professor and Head of the Division of Botany, Sri AVVM Pushpam College, Poondi.

23-12-'83 : Sri A. N. Singh, Director, Tobacco Development, Madras.

CTRI Research Station, Pusa :

Training to farmers and development workers on intercropping of tobacco and sugarcane was given on 1st October, 1983 at Motipur (Muzaffarpur) and 28th October, 1983 at Samastipur. The training camps were jointly arranged by the Bihar State Sugar Corporation Ltd., and Sugarcane Development, Bihar.

8-11-'83 : Mr. Frederick K. T. Tom, I. D. A. Representative, U.S.A.

16-11-'83 : Dr. K. C. Das, Sr. Scientist (Agro.) C.R.R-1, Cuttack.

30-11-'83 : Shri J. N. Tripathi, IAS, District Magistrate Samastipur.

CTRI Research Station, Dinhata :

6-10-'83 : Shri I. Banerjee, Chief Engineer (Agriculture), Govt. of West Bengal.

29-11-'83 : Dr. N. Trivedi, Jt. Director of Agriculture accompanied by 26 Agril. Officers of Cooch Behar, Darjeeling and Jalpaiguri districts.

HONOURS AND AWARDS

Sri V. Krishnamurty, Scientist S-1 (Soil Science) has been awarded Ph. D., in Chemistry by the Andhra University, Waltair for his thesis entitled "Analytical studies on fertility status of flue-cured tobacco soils of Andhra Pradesh".

Sri D. Seethapathi Rao, Jr. Clerk, CTRI Research Station, Guntur has been adjudged as the best worker for the year 1983 and awarded the "Rolling shield" donated by late Sri S. Viswanadham, Ex. Officer-in-Charge, CTRI Research Station, Guntur.

APPOINTMENTS AND PROMOTIONS

1. Sri G.V.V.S. Rambabu appointed to the post of Junior Clerk at CTRI, Rajahmundry w.e.f. 11-10-1983.
2. Kum. M. Satyavathi has been appointed to the post of Junior Clerk at CTRI Research Station, Kandukur w.e.f. 11-11-1983.
3. Sri V. Anjaneyulu, appointed to the post of Junior Clerk at CTRI Research Station, Kandukur w. e. f. 14-11-1983.
4. Sri D. Sriramamurthy, S. S. Gr. I. (Peon) CTRI, Rajahmundry promoted to the post of Junior Clerk w.e.f. 1-12-1983.
5. Sri M. Nagarajeswara Rao appointed to the post of Tech. T-II-3 (Entomology) at CTRI Research Station, Kandukur w.e.f. 16-11-1983.
6. Sri M. Nageswara Rao appointed to the post of Technician T-II-3 (Entomology) at CTRI Research Station, Guntur w.e.f. 23-11-1983.
7. Sri B. Narasimha Rao appointed to the post of Technician T-5 (Asst. Farm Superintendent) at CTRI Research Station, Kandukur w.e.f. 30-11-1983.
8. Smt. K. Anjani appointed to the post of Technician T-II-3 (Botany) at CTRI, Rajahmundry w.e.f. 24-12-1983.
9. Sri S. Narasimha Murthy appointed to the post of S. S. Gr. I (Watchman) at K. V. K. of CTRI, Rajahmundry w.e.f. 15-11-1983.
10. Sri K. Bhyrava Swamy, appointed to the post of S. S. Gr. I (Peon) at K. V. K., of CTRI, Rajahmundry w.e.f. 15-11-1983.
11. Sri C. Chandrayya appointed to the post of S. S. Gr. I (Watchman) at CTRI Research Station, Guntur w.e.f. 17-11-1983.
12. Smt. Nila Dasi appointed to the post of S. S. Gr. I (Safaiwala) at CTRI, Research Station, Dinhat w.e.f. 18-11-1983.
13. Sri K. Kondaiah appointed to the post of S. S. Gr. I (Safaiwala) at CTRI Research Station, Kandukur w.e.f. 9-12-1983.
14. Sri K. Narasimham appointed to the post of S. S. Gr. I (Cattleman) at CTRI Research Station, Kandukur w.e.f. 9-12-1983.
15. Sri K. Venkateswarlu appointed to the post of S.S.Gr.I (Fireman) at CTRI Research Station, Kandukur w.e.f. 9-12-1983,
16. Sri T. Venkata Rao appointed to the post of S. S. Gr. I (Fireman) at CTRI Research Station, Kandukur w.e.f. 9-12-1983.
17. Sri A. Subba Rao appointed to the post of S. S. Gr. I (Watchman) at CTRI Research Station, Kandukur w.e.f. 24-12-1983.
18. Sri U. Ramakrishna Murthy, appointed to the post of S. S. Gr. I (Beldar) at CTRI Research Station, Kandukur w.e.f. 13-12-1983,
19. Sri K. Mallikarjuna, appointed to the post of S. S. Gr. I (Beldar) at CTRI Research Station, Kandukur w.e.f. 13-12-1983.
20. Sri K. Kondaiah appointed to the post of S. S. Gr. I (Beldar) at CTRI Research Station, Kandukur w. e. f. 13-12-1983.
21. Sri V. V. Krishnamacharyulu appointed to the post of S. S. Gr. I (Beldar) at CTRI Research Station, Kandukur w.e.f. 13-12-1983.
22. Smt. V. Jayamma appointed to the post of S. S. Gr. I (Beldar) at CTRI Research Station, Kandukur w. e. f. 13-12-1983.

TRANSFERS

1. Sri A. James, Technician T-1, CTRI, Rajahmundry transferred on promotion to the post of Tech. T-II-3 at CTRI Research Station, Kandukur w.e.f. 13-10-1983.
2. Sri V. Rangacharyulu, Tech. T-II-3, CTRI, Rajahmundry transferred to CMFRI Research Centre, Madras at his own request, w.e.f. 3-12-1983.
3. Sri N. C. Nath. Stenographer Gr. I, CTRI, Rajahmundry transferred to CTRI Research Station, Dinhat at his request, w.e.f. 30-12-1983.

RETIREMENTS

1. Sri K. Balagopal, Scientist Gr. S-2 (Agronomy) & Head, Division of Agronomy, CTRI, Rajahmundry retired voluntarily w.e.f. 30-11-1983 from the Council's service.

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6. Note on nicotine content of cigar tobacco cultivars.
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7. Effect of varying soil moisture and nitrogen levels
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