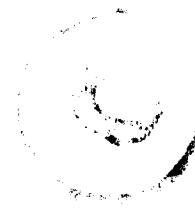


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1960 - August

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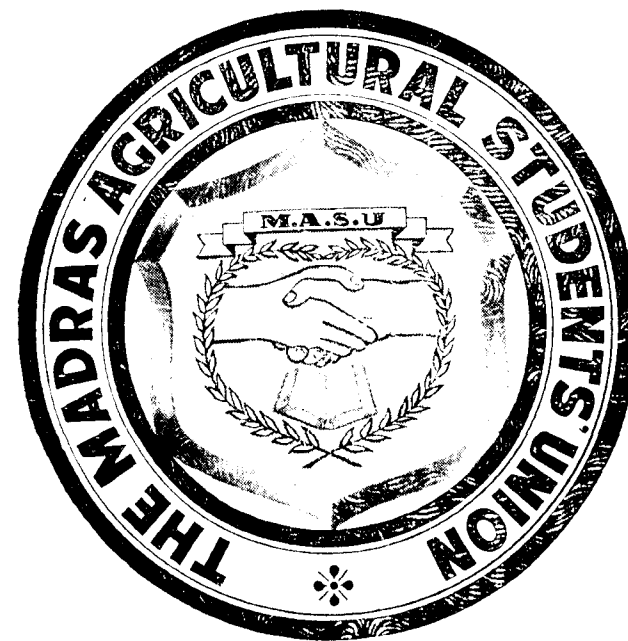
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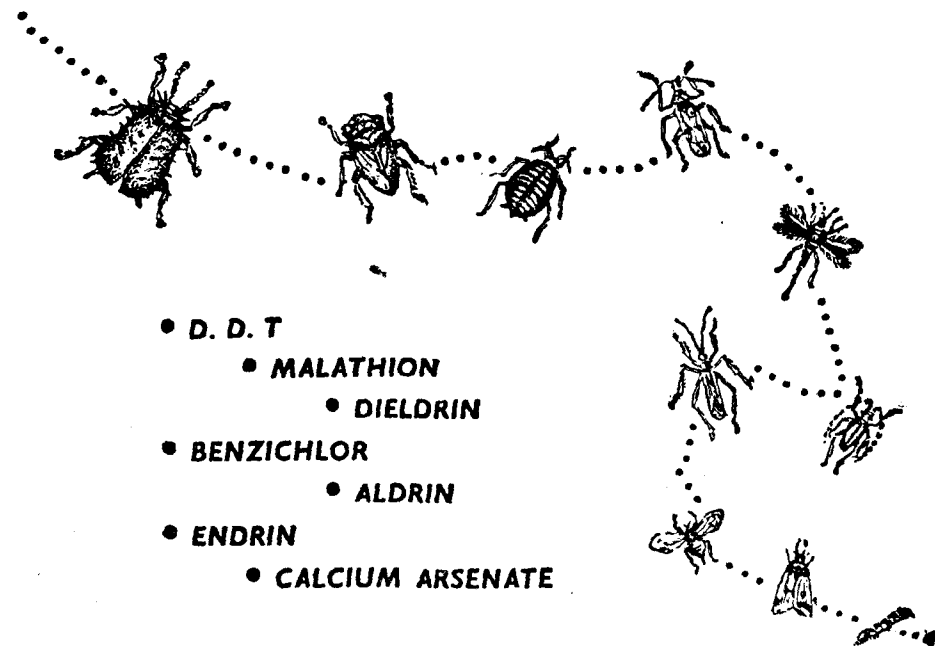
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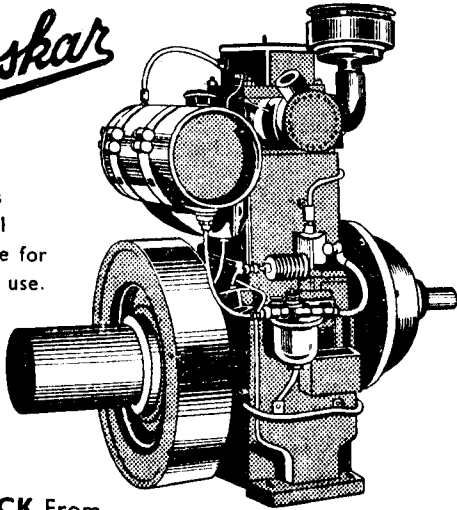
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The Madras Agricultural Journal

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August 1960

No. 8

Editorial

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Forty-third College Day and Conference, 1960: The 43rd College Day and Conference, 1960 organised by the Madras Agricultural Students' Union, was held this year from 19th to 22nd of the month. Hon. Sri S. K. Patil, Union Minister for Food and Agriculture, inaugurated the College Day and Conference and opened the Post-Graduate Block. Hon. Sri M. Baktavatsalam, Minister for Home and Agriculture presided. The celebration attracted a large number of distinguished visitors from this and other states. Sri J. V. A. Nehemiah, Agricultural Extension Commissioner, Government of India, Sri Powar, Deputy Agricultural Commissioner, Government of India, Sri V. K. Palaniswamy Gownder Deputy Speaker, Madras Legislative Council, Sri M. G. Rajaraman, Secretary to Government, Food and Agriculture Department and Sri A. Venkatesan, Director of Agriculture, participated in the celebrations. The Joint Directors of Agriculture, the Regional Deputy Directors and other officers of the Agricultural and Community Development Department were also present.

An Agricultural Exhibition on a large scale was put up in the College Jubilee Buildings. It not only included the exhibits of Agricultural research but demonstrations of various aspects of work of the Agricultural Department were arranged for the benefit of the public, students and staff of various schools and colleges and farmers of Coimbatore.

Prior to the inauguration of the Conference, Hon. Sri S. K. Patil visited the exhibition and opened the new Post-Graduate Block completed recently at a cost of Rs. 10 lakhs to accommodate the regional Post-Graduate Centre started in 1958.

The opening sessions commenced at 4-30 P.M. on 19th with the Dean's welcome speech. The Dean and Additional Director of Agriculture, in his welcome address referred to the main activities of the Madras Agricultural Students' Union which was going to

celebrate its Golden Jubilee in 1961 and described the achievements of the Agricultural College and Research Institute to show how it had built up through several decades, facilities to equal the stature of an All-India Institute. He also pleaded that if there was any place where facilities and circumstances existed for the formation of an agricultural university, it was only at Coimbatore where besides an Agricultural College, three Engineering Colleges, a Forest College, a Home Science College and a number of Arts, Science and Training Colleges exist. This was followed by the introductory speech of the Minister for Home and Agriculture.

Messages wishing the Conference a success were received from President Rajendra Prasad, Prime Minister Sri Jawaharlal Nehru, Sri Medhi, Governor of Madras, Chief Minister Sri K. Kamaraj, Sri C. Subramaniam, Finance Minister and others.

Hon. Sri S. K. Patil in his inspiring presidential speech, stated that Agriculture could not be put on the soundest basis possible unless the achievements they made in the laboratories were carried to the fields all over the country. Prizes were then distributed to prize winners among students and officers. The sessions closed with a vote of thanks proposed by the Secretary to Government, Food and Agriculture Department.

On 20th forenoon, Hon. Sri S. K. Patil visited the breeding stations—Paddy, Millets and Cotton, Insectory, Agricultural Engineering Workshop, Botanic Gardens and Orchards. He also saw the working of improved implements in the fields by students of B. Sc. (Ag.) class and expressed his appreciation of their work. Later he inaugurated the Departmental Officers Conference at 10 A. M. where he exhorted the officers not to suppress their opinion but give correct information on scientific matters. After the Union Minister had left, the departmental officers continued their deliberations.

In the after-noon at 3 p. m. Sri M. Bhaktavatsalam, Minister for Agriculture, inaugurated the Academy of Agricultural Sciences, Coimbatore. This academy is intended to promote Agricultural research in the state and afford facilities for research workers in this and other states also to come together and exchange ideas in different fields of Agricultural Science. This was followed by the celebration of the Eleventh Farmers' Day of the Central Farm, Coimbatore. Sri G. Vageesam Pillai M. L. A., was in the chair and

Sri M. Bhaktavatsalam inaugurated the Farmers' Day and Coconut week. In his address the Hon. Minister said that scientists and academicians in Russia were paid very high salaries since their research work helped the country to become more wealthy. He said that there should be mutual exchange of ideas between Agriculturists and Agricultural Scientists and their efforts should be co-ordinated. He also stated that it had been proposed to award prizes for districts which produce 15 percent more than their average for the past 3 years and hoped that Tanjore and Coimbatore would get these prizes. He also distributed prizes to the state prize winners in crop yield competitions in sugarcane and groundnut.

Sri T. S. Ramamurthi Reddiar, South Arcot District got the state award for sugarcane producing 145 tons and 2222 lbs of sugarcane per acre in 1958-59. Sri Mathi Gowder of Mathipalayam, Coimbatore, secured the state prize for groundnut having produced 4980 lbs of groundnut pods per acre. After several farmers spoke, the Chairman wound up the proceedings by appealing to farmers for adoption of recommended improvements and to take up vegetable and fruit growing to have more balanced diets.

On the 21st, the symposium for the College Day and Conference on "the Agricultural Development in the Package Programme" was taken up in the forenoon. In all, 26 papers for presentation were received. Sri J. V. A. Nehemiah, Agricultural Extension Commissioner presided. The session began with a welcome by the Dean and an introductory speech by the President in which he traced the origin of the idea of the Package Plan, its objectives, organisation and workings. The Director of Agriculture opened the discussion on the symposium and other officers followed and took part in the discussions.

In the afternoon the usual College Day sports were held from 2 p. m. onwards when a large number of visitors gathered to witness the several events. The old boys' race and the lady's events evoked great interest. Sri G. Ramachandran, Collector of Coimbatore presided over the function and Mrs. G. Ramachandran distributed the prizes to the several prize winners in sports.

On 22nd forenoon the Second Annual Meeting of the State Extension Council was held with Sri Nehemiah as observer. Several problems connected with extension and research were deliberated upon. The Agricultural Engineers of the Department held their conference at 11 a. m. presided by the Director of Agriculture.

In the afternoon at 3 p. m. the first annual session of the Academy of Agricultural Sciences, Coimbatore was held under the chairmanship of Dr. N. R. Bhat, Director, Sugarcane Breeding Institute, Coimbatore. After the welcome speech by the Dean and introductory remarks by the chairman, the following papers were presented. Lively discussions followed after each paper.

1. The evaluation of crop plants for soil moisture stress with particular reference to rice crop.
2. Bufferring effects of green manure leaves in soils.
3. Studies on Cumbu Rust.
4. Studies on breaking the dormancy in the spreading varieties of groundnut.

The Chairman in his concluding speech exhorted the research workers to keep up a high standard in their work and wished the academy all success.

On the whole, this year's celebrations of the 43rd College Day and Conference were a great success and were useful in exchange of views on agricultural matters among the officers of the Agricultural Department, other departmental officers, the farmers, industrialists and the public.

THE 43rd COLLEGE DAY AND CONFERENCE, 1960

Welcome speech of Dr. S. Krishnamurthi, Dean and Additional Director of Agriculture and President, Madras Agricultural Students' Union.

*Union Minister for Food and Agriculture,
Minister for Home and Agriculture, Madras,
Ladies and Gentlemen,*

As the President of the Madras Agricultural Students' Union and as the Dean of the Agricultural College and Research Institute, Coimbatore, I consider it an honour to speak a few words of welcome on this important occasion.

It is a great privilege to welcome amidst us today two great stalwarts who have proved their mettle as administrators and statesmen. Our Minister for Agriculture has been associated with the Madras Government as a Member of the State Cabinet ever since 1937, when the Congress Party took over the reigns of Government. He is one of the most seasoned administrators in the country and we are very proud indeed that such a distinguished Minister has been associated with the portfolio of agriculture. During his period, there has been a tremendous expansion of activities in the Department of Agriculture in the Madras State and particularly at the Agricultural College and Research Institute, Coimbatore. The visible evidence of the multi-sided expansion of this institution is seen in the number of new buildings which have sprung up in this campus. It was only last year that the Golden Jubilee Building meant to cater to the additional strength of students for the B. Sc. (Ag.) degree course, built at a cost of Rs. 11.85 lakhs was opened by no less a person than the Prime Minister of India. Earlier in the previous year, the President of the Indian Union, Dr. Rajendra Prasad had laid the foundation-stone for the new Post-Graduate Block which was the privilege of Shri S. K. Patil opening to-day. Only last year again, the Chief Minister of Madras Sri K. Kamaraj, opened the three storied hostel building to provide for the increase in number of students admitted to the Agricultural College as well as to the Post-Graduate centre. There are, however, a number of other progressive developments which have taken place during the period of Ministership of Sri M. Baktavatsalam. With the Institution of the Post-Graduate Training Centre at Coimbatore, the Agricultural College and Research Institute got entirely re-organized to suit the modern needs of agricultural education and research. Where there was a Principal who was in charge of only the Under-Graduate

courses leading to the B. Sc. (Ag.) degree without any proper co-ordination with research, the post of the Principal has been replaced and upgraded to that of a Dean who is in charge of all education and research in the State with the status of Director of Agriculture. The training at this Agricultural College is therefore closely linked up at present with the research wing, and this in turn with the work of the 31 experimental stations which are spread all over the State. The Agricultural College and Research Institute now consists of several faculties with a Professor who is the Head of each faculty. Under him is co-ordinated teaching at both undergraduate and post-graduate levels and also teaching with research. Every teacher has to conduct research and every research officer collaborates in teaching.

When the establishment of the Regional Post-Graduate Training Centre at Coimbatore was recommended by the Indo-American Team and this was accepted by the Government of India, our Minister lost no time in implementing the recommendation even in anticipation of subsequent financial support of the Government of India. It is during his period again that not only has the scheme of co-ordination of teaching and research been implemented, but the Agricultural College and Research Institute has itself been linked up with the extension organisation in the Department through the establishment of an Agricultural Extension Section at this Institute. It is the duty of this Section to maintain a two-way traffic between research and extension, taking the results of research of this Institute and its regional stations to the farmers through extension organisation and to bring the problems of the farmers through the extension staff to this Institute for solution. It is on account of largely the concept and idea of our Minister the machinery of organisation already existing in Madras, has been modified and improved realistically to link up education, research and extension. He has not only been interested in the upgrading of this Institution to the status of a Post-Graduate Centre, but he has been responsible for encouraging a number of short courses for the sons of farmers and for gardeners and refresher courses for Extension Officers. Seeing that this Institute has been lacking in well-organized divisions of Agricultural Economics, Rural Sociology and Statistics, proposals have been made and are on the point of being introduced into this Institute for making the activities of this Institute complete. Moreover, it is on account of the interest of the Minister that five Regional Stations have been selected in the State to be upgraded so that co-ordinated work is done in all aspects of crop improvement through breeding, agronomy, soil studies and plant protection. It is due to his encouragement also that a new organisation has come up at this Institute called the Academy of Agricultural Sciences which is meant to accelerate scientific work of this Institute and its experimental stations, to promote scientific publications and to facilitate exchange of ideas between the scientific workers of this State and outside through conferences and

seminars. Starting with just 60 students years ago in this Agricultural College today, there are nearly 700 students including those who are admitted to the Pre-professional Agricultural course. This is an indication of the unprecedented developments in the activities of this Institute. It is only appropriate that on behalf of all our graduates and Officers, I take this opportunity to convey to our Minister and through him to the Government of Madras our consciousness of their sympathetic understanding of the just aspirations of our technical men in raising their pay scales.

To the Union Minister for Food and Agriculture, Shri S. K. Patil, we are most sincerely and deeply thankful for having been able to come all the way to Coimbatore to open the new Post-Graduate Block and also to inaugurate the 43rd Agricultural College Day and Conference. The Ministry of Food and Agriculture in the Government of India as everybody knows is not a bed of roses. It is a very peculiar phenomenon in our country that in times of crisis, leaders of calibre rise to solve problems which face the people. Such a crisis has been there with regard to the food situation in the country and the sagacity, foresight, statesmanship, diplomacy and persuasive capacity of our Union Minister for Food and Agriculture have resulted in that important food deal of colossal magnitude with the United States of America, which safeguards and ensures a stable and unhampered progress of the Five Year Plans. During his period, we expect on an All-India scale, an upsurge of agricultural developments that would take India out of its chronic sickness of lack of food supply. We are indeed thankful to the Union Minister for having spared his time amidst his multifarious duties to be in the midst of us here today. We are aware that our Minister for Home and Agriculture, in the usual course of events would have extended his tour in the European countries for sometime longer, but for the visit of the Union Minister here and but for the Agricultural College Day and Conference having been fixed at this time. This indicates the attachment of our Minister both for the Union Minister Shri S. K. Patil and for this Institution which is close to his heart.

For the benefit of our distinguished guest, I would like to say a few words regarding this Annual College Day and Conference. These are organised primarily by the Madras Agricultural Students' Union which was established in 1911, as an organisation bringing together all the old and new students of the Coimbatore Agricultural College and Officers of the Madras Agricultural Department. Among the main activities of the Madras Agricultural Students' Union is to conduct a monthly journal called the 'Madras Agricultural Journal' which has been published for the last 49 years. As a matter of fact the Madras Agricultural Students' Union itself is going to celebrate the Golden Jubilee in the coming year 1961 when it is hoped that

celebrations would be held on a fairly large scale befitting an organization which has been closely linked up with education, research and extension in the Madras State for 50 years and more. Apart from publishing the Madras Agricultural Journal, which is well-known both in India and abroad for its quality of publications, it annually conducts the College Day and sponsors a series of conferences following the College Day. During the College Week so to say, the Madras Agricultural Students' Union brings the old and the new students together. It brings the District Extension Officers, the research workers and the students together. To sum up, the Madras Agricultural Students' Union is responsible for organizing one of the important annual occasions for the Department of Agriculture as a whole.

I would like to point out that this Institution has built up through several decades facilities to equal the stature of an All-India Institute. Also if there is any place where facilities and circumstances exist for the formation of an Agricultural University, it is here at Coimbatore where we have not only an Agricultural College which is perhaps the oldest institution of its kind at present in the country, but also has three Engineering Colleges, a Forest College, a Home Science College and a number of Arts and Science Colleges. The Post-Graduate Centre caters to the needs of not only the Madras State, but also the rest of India as 50 percent of its admissions are from outside the State. Moreover, this Institution has been taking care of students from abroad including Africa, Ceylon, Thailand and Indonesia. From all these circumstances it may be stated that any assistance and encouragement which this Institution receives from the Government of India, either from the Indian Council of Agricultural Research or from the Union Ministry of Food and Agriculture, it benefits not only the Madras State as such but also the country as a whole and also promotes association with other countries desiring advance training in agricultural technology.

Before concluding, I would like also to express our appreciation of the presence of Shri M. G. Raja Ram, our Secretary, Food and Agricultural Department whose association with this Institution is not merely official but also dates back nearly two decades ago when he graduated from this College. We are thankful to him for all the assistance and encouragement this Institute has received from him all along. Our Director of Agriculture has endeared himself to one and all in the Department by his intense devotion to the work in the Department and to the welfare of its Officers.

I most cordially welcome every one who has so kindly responded to our invitation.

Report of the Secretary of the Madras Agricultural Students' Union.

Hon'ble Union Minister for Food and Agriculture,
Hon'ble State Minister for Home and Agriculture,
Ladies and Gentlemen,

On behalf of the Madras Agricultural Students' Union, it is my privilege to extend to you all a very hearty welcome on the occasion of the forty third College Day and Conference and to present to you a concise report of its activities during the year 1959-'60.

The distinguished presence of our Union Minister for Food and Agriculture, Shri S. K. Patil, who had so readily consented to inaugurate the conference has enhanced the value of this year's celebrations. The Madras Agricultural Students' Union is extremely grateful to you Sir, for having consented to grace this occasion amidst your multifarious duties and pressing responsibilities. We are also happy to have amidst us our beloved Minister for Home and Agriculture, Sri M. Bhaktavatsalam, who has always evinced keen and abiding interest in the College, and Conferences organised annually by the Union. On behalf of the Union, I wish to express our sincere and heartfelt thanks to him for presiding over this function.

The presence of Sri M. G. Rajaram, I. A. S., Secretary to Government, Food and Agricultural Department, an alumnus of this College and an active member of the Madras Agricultural Students' Union, and Sri A. Venkatesan, I. A. S., the Director of Agriculture, is a source of great encouragement to us in the conduct of the various conferences this year. I take this opportunity to sincerely express our gratitude to Dr. S. Krishnamurthi, Dean and Additional Director of Agriculture, for his constant and valuable guidance and Dr. B. W. X. Ponnaiah, the Associate Dean, for his valuable help in the successful conduct of the affairs of the Madras Agricultural Students' Union.

The Madras Agricultural Students' Union : The Union was founded in 1911 with the main object of establishing and promoting contact between the past and present students of this great *alma mater*. The Union has widened its activities since then and has done yeoman service in furthering the cause of Agriculture in the State, for nearly half a century. In fact, the Union will be celebrating its Golden Jubilee next year, 1961.

The Madras Agricultural Journal : The Madras Agricultural Journal, a monthly periodical, has won a unique place among the leading Scientific Agricultural Journals. It is now in its 47th year of publication, and its continued service to scientific agriculture is due to the untiring efforts of a long succession of Editors, the co-operation of the members and subscribers, and the generous support of the Government. It has a

circulation of 1242. As many as 71 leading journals both in India and abroad are on its exchange list. The financial support of the Government of Madras based on their appreciation of the services of the journal to Agriculture has been largely responsible in maintaining the standard and circulation of this journal. The valuable patronage of the various market committees, whose reports are published regularly as a supplement to the Madras Agricultural Journal, is acknowledged.

Finance: While the Union can be justly proud of its achievements, its finances are far from satisfactory. With better finances, it would be possible to improve the format of the Journal and increase the number of pages to serve the cause of scientific agriculture even more than has been possible at present. The rising costs of printing and larger number of student members on concessional rates of subscription has increased the financial liability of the Union in running the Journal. The Union is extremely grateful to the Government of Madras for their annual grant of Rs. 1800/-. However, under the present circumstances submitted above, the Union will be grateful to the Government if the subsidy is enhanced to wipe out a part of the deficit which the Union faces in the interest of students and Non-Gazetted Officers. The Union firmly believes that our Hon'ble Minister for Agriculture will come to our aid once again as he has done before. May I appeal to all the members of the Union for their active support in enlisting many more members and help the Union in stabilising its finances. We appeal to all agricultural graduates, who are not yet members, to immediately enroll themselves.

College Day and Conference, 1959: The 42nd College Day and Conference was celebrated from 13th to 16th September, 1959 on a grand scale. Hon'ble Sri K. Kamaraj, Chief Minister of Madras, inaugurated the College Day and Conference and Hon'ble Sri M. Bhaktavatsalam, our Minister for Home and Agriculture, presided over the occasion.

Prizes and Awards: On behalf of the Union, let me congratulate the following member of the Union for winning the coveted awards made under the auspices of the Union.

- | | |
|-----------------------|--|
| Sri Charles Ratnasamy | 1. 'The Remasastrulu Munagala Prize' for the best account of research, |
| | 2. 'The V. C. Vellingiri Gounder Gold Medal' for the best research worker, and |
| | 3. 'The Vecraragavalu Naidu Shield' for Agricultural Botany. |

The Union is extremely grateful to Dr. N. R. Bhat, Director, Sugarcane breeding Institute, Coimbatore, Sri Subba Rao, Second Cane Breeder, Sugarcane Breeding Institute, Coimbatore, Dr. Vijayasathy,

Sugarcane Physiologist, Coimbatore, Sri S. V. Parthasarathy, Sugarcane Expert, Tiru Aarooran Sugar Mills, Vadapathimangalam, Dr. Subramaniam, Regional Botanist, Botanical Survey of India, Coimbatore, Sri V. T. Subbiah Mudaliar Retired Professor of Agriculture Ambasamudram, Dr. Appala Naidu, Professor of Botany, Agricultural College, Bapatla, and Sri T. V. Subramaniam, Retired Government Entomologist, Coimbatore, for having acted as judges for the various awards.

Elocution Competition: In connection with the 43rd College Day and Conference an elocution competition in English was conducted under the auspices of the Union. The subject was "Ceilings on land—should extent or income be the basis for fixation?" Sri S. M. Jalaludeen of III year won the first prize and the second prize was won by Sri K. S. Subbaiah also of III year in a keenly contested competition. We convey our heartfelt thanks to Sri S. V. Duraiswamy Iyer, retired Lecturer in Agricultural Economics, Coimbatore, Sri P. A. Venkateswara Iyer, Retired Agronomist and Professor of Agriculture, Coimbatore, and Sri E. G. Sivasamy, Deputy Director of Agriculture, Coimbatore, who were kind enough to act as judges.

Retirement: Our members Sri T. S. Lakshmanan, Lecturer in Chemistry and Sri L. Neelakantan, Cotton Specialist, retired from service during the year.

Obituary: It is with deep regret that we record the sudden and premature demise of Sri M. Bhavanisanker Rao, our Vice-Principal, and an active member of the Union, while he was on duty at Hyderabad. The demise of Sri R. M. Sundaram, I. C. S. our ex-Director of Agriculture and Member, Revenue Board, has deprived the Union of one of its benefactors.

We also deeply regret to record the demise of Sri V. C. Subbiah Gounder, one of our patrons, Sri K. Raghavachari, Retired Lecturer in Agriculture, and Sri K. P. Ananthanarayanan, Retired Government Entomologist.

We record with regret the sudden demise of Sri B. R. Venkataraman, II year student of the Agricultural College.

We convey our heart-felt condolences and sympathies to the members of the bereaved families.

Acknowledgments: It is now my pleasant and bounden duty to thank all those who helped the Union in various ways during the past year. We are grateful to Hon'ble Sri K. Kamaraj, Our Chief Minister, for inaugurating the 42nd College Day and Hon'ble Sri M. Bhaktavatsalam for presiding over the function. We are also thankful to Sri P. R. Ramakrishnan, M. P., Editor "Nava India" for presiding over the College

Day sports. My thanks are due to all those who had helped in the successful conduct of the College Day and Conference, 1959. Finally, I thank you, all, ladies and gentlemen for having graced this occasion.

Welcome address by Sri M. Bhakthavatsalam, Minister for Home and Agriculture.

I deem it a unique privilege to welcome Shri S. K. Patil, our Union Minister for Food and Agriculture on this auspicious and important occasion of the opening of the new Post-Graduate Block of the Agricultural College and Research Institute at Coimbatore. It was indeed a great honour to have had the President of the Indian Union amongst us two years ago to lay the foundation-stone for these buildings which are designed to accommodate the Regional Post-Graduate Training Centre. To-day it makes us very happy that a distinguished member of the Indian Cabinet, in charge of the important portfolio of Food and Agriculture, is with us to-day to declare open the same building whose foundation was so well laid by the President of India.

The establishment of this Post-Graduate Training Centre is an important milestone in the history of the Agricultural College and Research Institute, Coimbatore which is perhaps at present the oldest institution of its kind in India. The beginnings of this Institution at Coimbatore should be considered to have dated back 92 years ago in 1868 when an Agricultural Experimental Station was started at Saidapet, a suburb of Madras City. This was followed by an Agricultural Training Institution in 1876 in the same place. The College at Saidapet existed for 31 years and in spite of several handicaps laid solid foundation for agricultural developments on scientific lines. However, the facilities available in Saidapet were wholly inadequate to meet the growing requirements of agricultural research and training. Therefore, the venue was shifted in 1907 from Saidapet to Coimbatore, with expanded facilities for an Agricultural College and Research Institute. Initially, the Institute at Coimbatore opened with just three Research Specialists for Agriculture, Botany and Chemistry representing the A, B, C of agriculture. On this foundation, an edifice was built up by the early workers so well, and maintained by their successors so ably, that in the course of the last fifty years and more, the Institute has achieved a reputation both in India and abroad, of which we are proud. The work on sugarcane for which Coimbatore has become famous all over the world had its origin in this Institute and later in 1924, this work was transferred to an All-India Institute under the control of the Government of India. The Madras Herbarium, considered the second largest in the country, is another contribution from Madras towards the improvement of agricultural research on an All India basis. After more than a century of continuous work, this Herbarium was transferred to the Government of India

Botanical Survey. Dr. T. S. Venkataraman, a product originally of this Institution became famous as the wizard of sugarcane. Dr. K. Ramiah, formerly Rice Specialist in this Institute, became the first international expert on rice for the Food and Agricultural Organization and Dr. N. Parthasarathy, another rice specialist from here succeeded him. Dr. B. Viswanath after serving this Institution as Agricultural Chemist for several years, became the Director of the Indian Agricultural Research Institute, New Delhi well-known as Pusa Institute. One of our men originally from this Institute became the first Director of Central Rice Research Institute at Cuttack and another succeeded him. All these go to show that our men and our work in this institution have been recognized both nationally and internationally.

The Government of Madras from the very inception of this Institution have spared no pains to make this Institution one of the best equipped research centres in the country with laboratories and field stations for conducting research on a variety of Agricultural problems and crops. From early days, this Institute has been well-known for the breeding techniques evolved by its workers and for the improved strains achieved by them in several crops particularly paddy, jowar, cotton, oilseeds, pulses and other millets, which have spread far and wide. Today improved strains of rice occupy two-thirds of the cultivated area under rice in the State, those of sugarcane almost cent percent and those of cotton over 80 percent. It is not only in the field of crop breeding that this Institute has played its part but also in evolving improved cultivation practices, particularly green manuring and fertiliser use, all contributing to increased crop yields. All these achievements in scientific research are reflected in the capacity of farmers in Madras State to produce 8,000 lb. of paddy or 100 tons of sugarcane per acre as demonstrated in crop competitions. Planting seedlings of paddy in lines, applying adequate quantities of green manures, intensive use of fertilisers to increase production were all established practices in the Madras State by the Department of Agriculture much earlier than the introduction of the Japanese method of rice cultivation. In all this work, the Agricultural College and Research Institute is also supported by 31 Agricultural Research Stations spread throughout the length and breadth of the State to tackle local problems of the farmers. The results of research work done in this Institute and its several experimental stations have been published in a monumental work "MEMOIRS OF THE DEPARTMENT OF AGRICULTURE, MADRAS".

It has been recognised from the very beginning by the Madras Government that a strong and efficient extension organisation should work closely with the Research Institute to see that better strains and improved practices are all adopted by the farmers. Madras has built up through the years one of the best and most efficient extension organizations

in the Country. The Department of Agriculture has established methods and procedures by which there is frequent exchange of ideas between research and extension personnel to overcome impediments and bottlenecks in extension programmes. Annually, a Departmental Officers' Conference is held at the time of the College Day to enable Research and Extension Officers to sit together to discuss various measures for a co-ordinated and efficient work of the Department as a whole. We will have the privilege of our chief guest Shri S. K. Patil inaugurating such a Conference tomorrow. Besides this, to speed up the flow of useful information from the research side to the extension staff and also to pass on problems from the farmers to the Research Institute for finding solutions to new problems as they arise, an Extension Section has been established at the Institute itself recently. This section acts as an efficient liaison between research and extension. Moreover, the Department has established two Councils viz., the Research Council and the Extension Council which are responsible for critically examining all research and extension programmes of this Department. Leading farmers are actively associated in the work, particularly of the Extension Council. Thus the constitution of the two Councils is a unique feature of the Madras Agricultural Department. This, together with the Annual Departmental Officers' Conference, co-ordinates and integrates research and extension so that the farmer eventually gets the utmost benefit from the Department. The Agricultural College and Research Institute has also a Board of Honorary Visitors which includes leading farmers of the State whose association helps in formulating improvements in training, research and extension programmes. All this co-ordinated effort by the Department of Agriculture is reflected in the general higher level of agriculture in the State and the progressive increase in crop yields. The average yield per acre of rice for instance in the Madras State is the highest in the country, as the Union Minister of Agriculture is aware.

Having spoken largely about research and extension and the role of the Institute at Coimbatore in these important activities, it is only appropriate in the context of the opening of the Post-Graduate Centre to say a few words on agricultural education. In this sphere also, the Coimbatore College has had continuously a good record of service. The Agricultural College at Coimbatore admitted the first batch of students in 1908 for the three years' course leading to the 'Diploma in Agriculture'. In the year 1914, another course of a shorter duration known as the 'Certificate of Proficiency in Agriculture' was started for those who desired training in scientific Agriculture for improving their own lands. In 1920, the College was affiliated to the Madras University and the Diploma Course was replaced by the B. Sc. Degree Course in Agriculture. Admission was restricted to twenty students during the early years and subsequently raised to forty and then to forty-eight in 1926. On account of the pressing needs in agricultural development during World War II, the admissions to

the College were doubled from 48 to 96. This was again raised to 108 in 1954 during the First Five Year Plan and to 162 in 1956 during the Second Five year Plan. Only last year, we had the honour of the Prime Minister opening the Golden Jubilee Buildings to accommodate additional strength of students and to commemorate 50 years of work of the Agricultural College at Coimbatore. Since the inception of the degree course 1,898 B. Sc. (Ag.) graduates have passed out of the portals of this Institute.

Because of the facilities which had been built up at Coimbatore even from the very beginning, the Coimbatore Institute has been recognised for over 25 years by the Madras University as a suitable centre for higher research degrees of M. Sc., and Ph. D. Several past students and members of the staff of the Institute have availed of this facility and now hold the M. Sc., and Ph. D. Degrees by research. The Indo-American Team on Agricultural Research and Education set up by the Government of India in 1955, recommended Coimbatore as one of the four regional post-graduate training centres in India, for training scientific personnel at the highest possible level to cater to the needs of the southern region. The Union Ministry of Agriculture accepted the suggestion of the Indo-American Team and this Post-Graduate Institute marks the culmination of one of the most important recommendations of the Indo-American Team. Madras was the first to implement the recommendations to establish the Post-Graduate Centre at Coimbatore, even earlier than the Indian Agricultural Research Institute at New Delhi.

The estimated cost of the scheme for the establishment of the Post-Graduate Centre is Rs. 8.95 lakhs recurring and Rs. 23.25 lakhs non-recurring spread over a period of five years. The Government of India is to meet 75% of the non-recurring expenditure excluding cost of land and residential quarters for staff and the balance as loan subject to a ceiling of Rs. 17.5 lakhs. Fifty percent of the recurring expenditure for the second, third and fourth years also will be met by the Government of India. The recurring expenditure after the fourth year of the scheme is estimated at Rs. 3 lakhs and will have to be met entirely by the State Government. The over-all total expenditure during the Second Plan period on this scheme will be about Rs. 20.80 lakhs. The share of the Government of India and that of the State Government in respect of actual expenditure incurred till March, 1960 will be about Rs. 9.1 lakhs and Rs. 1.32 lakhs respectively.

Facilities are available at the Post-Graduate Research Centre, Coimbatore for admitting 40 students per year (31 for M-Sc. (Ag.) and nine for Ph. D.). Fifty percent of the seats are to be filled by candidates from other States. Admissions were made in 1958-59 to the Post-Graduate Courses leading to M. Sc. (Ag.) degree of the Madras University in Soil Science, Plant Breeding and Genetics, Horticulture and Plant Pathology.

Post-Graduate courses in Entomology and Agronomy were started in 1959—60, and from this year, 1960—61, candidates are being admitted to work for the Ph. D. Degree also in the above faculties. Post-Graduate courses in Agricultural Economics and Plant Physiology are also to be added. Realising the importance of building up sufficient trained personnel, the State Government have exempted all the students belonging to the Madras State from the payment of tuition fees and have also granted study leave for five of the senior departmental candidates. Ten students are awarded merit scholarships at Rs. 150/- per month.

With the establishment of the Post-graduate Training Centre as a part of the Agricultural College and Research Institute, the organisational set up at this Institute has been re-oriented with Dean as Head of the Institution having the status of Director of Agriculture to co-ordinate all education and research in the State as research and teaching have to go hand in hand.

To maintain high quality of our personnel in research and teaching, particularly at the Post-graduate level and to equip our laboratories with the most modern equipments, the State Government have been availing of the facilities under foreign aid programmes. With the assistance of the Rockefeller Foundation, two of our officers specialised in the fields of Virology and Nematology in U. S. A. Under the Scheme of T. C. M. Fellowships, we have had our officers trained abroad in the fields of Plant Breeding, Soil Science, Horticulture, Botany and Agricultural Economics. Officers are being sent aboard for training in the field of extension also. The Rockefeller Foundation has awarded a liberal grant of 1.35 lakh dollars for supply of equipments. Similarly, under the T. C. M. aid a good supply of equipment and books have been obtained.

In the draft Third Five Year Plan, provision has been made for an expenditure of Rs. 101.0 lakhs under Agricultural Education, Rs. 60.0 lakhs under Agricultural Research and Rs. 8.0 lakhs for the establishment of Soil Testing Centers. Opening of a Second Agricultural College at an estimated cost of Rs. 50.0 lakhs, a Pre-professional and Training College and starting of Post-graduate courses in additional subjects are proposed to be taken up. A token provision has been made for the establishment of a Rural University and full details of the scheme are yet to be worked out. Under Agricultural research, over 90 schemes envisaging intensive work in fields such as Soil Science, Agronomy, Crop Breeding (with reference to paddy, millets, oilseeds, cotton and sugarcane), Horticulture, Botany, Entomology and Plant Pathology are contemplated to be put into execution. Soil testing service is rapidly becoming popular amongst the farmers and provision has been made to open additional Soil Testing Centres in the Third Plan period. Some of the other more

important schemes that are under the active consideration of the Government are the scheme for rationalisation of Agricultural Research Stations and the Scheme for the establishment of an Agricultural Economics and Rural Sociology Section. The objective of the former scheme is to upgrade some of the selected Agricultural Research Stations and provide necessary facilities by way of equipments, lands and personnel to effectively tackle problems on Agronomy, Crop Improvement, research on pest and disease control and in the field of Agricultural Chemistry on a regional basis. A scheme for the establishment of a Radio-Isotope Laboratory at Coimbatore is under the active consideration of the Indian Council of Agricultural Research.

I have taken some time to give a broad idea of our activities particularly connected with the Agricultural College and Research Institute and what we hope to do in the future. Incidentally, I have also explained the organisation of the Department of Agriculture in the Madras State and how we have attempted to co-ordinate teaching, research and extension. While we may take pride on the work done in the past, there is ever increasing need for doing more than what we have done in the past. There are many problems still unsolved and we are yet to reach higher levels of agricultural production. In my recent visit to Russia, I was impressed by the devotion of scientific workers to research and intensive application of science to Agriculture. The results which Russia has achieved have encouraged me to think that in our country there is increasing need for greater and application of results of research to agriculture.

In all our endeavours, we hope that we can count on generous assistance from the Union Ministry of Agriculture over whose destiny presides our distinguished guest of the evening, Shri S. K. Patil. I once again welcome him to our midst today and request him to declare open the Post-graduate Block of the Agricultural College and Research Institute and to inaugurate the 43rd College Day and Conference.

Abstract of the Presidential Address by Shri S. K. Patil, Union Minister for Food and Agriculture

Declaring open the new post-graduate block and inaugurating the 43rd College Day and Conference. Shri S. K. Patil said that he had nothing but admiration for teaching and research work in Agriculture so far done. But he was tempted to be highly critical of the inadequate extension work in carrying the valuable findings of the scientists to the farmers. Extension work was at times very slow. It is not enough if the findings were carried to a few farmers; a very large number of ryots should be benefitted by intensive extension work.

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The Agricultural graduates are required to work in the field and more closely with the farmers in bringing about the improved practices in agriculture. There should be proper co-ordination between the farmers and institutions like this for bringing about increased food production in the country.

India need not be deemed to be backward in agriculture as was imagined by some Americans. Indian agricultural scientists could stand comparison with the best of their compeers elsewhere in the world. But the crux of the problem of Indian agriculture was proper type of husbandry. Many countries like England, Germany, Japan etc., have advanced industrially because they have improved in agriculture also. Without agricultural advancement, declared Sri Patil, industrial progress was not possible.

The Union Minister also referred to the food habits of the people and said that a change was necessary so that not only they could have a balanced diet, but a common national diet as well.

If there were any good suggestions coming forth for increased food production Shri Patil agreed to implement them. Money was not the consideration, when there was not enough to feed the 400 million people in India.

Vote of Thanks

Sri M. G. Rajaraman, I. A. S., Secretary to the Government, Food and Agriculture Department, proposed a hearty vote of thanks.

Proceeding of the Annual General Body Meeting.

The annual general body meeting of the Madras Agricultural Students' Union was held at 7-30 p. m. on 21-8-1960 with Dr S. Krishnamurthy, the Dean and ex-officio President in the chair. The Dean welcomed the gathering. The Secretary then read the minutes of the previous general body meeting.

The report of the Managing Committee for the year 1959-'60 was presented by the Secretary. The demise of Sri M. Bhavanisankar Rao was suggested to be included in the report. Then the report was passed.

Sri C. S. Krishnasamy suggested that more articles should be published from the Extension workers. Sri T. Nataraj, the Editor, replied that sufficient number of articles have not been received from the extension line.

Sri M. V. Jayaraman suggested that the subscription of Upper Subordinates may be increased to Rs. 6/- per annum. The Dean suggested that the subscription of Gazetted Officers may be raised to Rs. 8/- per annum. A resolution was passed that subscription rates of Madras Agricultural Journal may be revised as follows with effect from 1-7-1960.

Upper subordinates	Rs. 6/- per annum.
Gazetted Officers and other subscribers	Rs. 8/- per annum.
Student members	Rs. 4/- per annum.

The Budget for the yer 1960-'61 was passed. It was agreed that consequent on the abolition of the post of the Principal, the Associate Dean would be the Ex-Officio Vice-President.

Regarding the sanctioning of Rs. 50/- every year for the Planning Forum for awarding prizes, it was resolved that the Extension Specialist may address the Government first, and then approach the Union if no help could be secured from the Government.

The Dean suggested that the Associate Dean should examine the accounts of the Union, rectify the defects and report the progress to the President before 1-10-1960.

The Dean suggested that a committee may be formed to find out how the M. A. S. U. can co-operate with the Academy of Agricultural Science, Coimbatore, to publish the proceedings of the latter. A sub-committee comprising of the Vice-President, the Editor of M. A. S. U. and Sri C. S. Krishnaswamy would meet the sub-committee of the Academy of Agricultural Sciences. The resolution was proposed by Sri M. Bhakthavatsalu and seconded by Sri V. Ramakrishnan.

Consequent on the withdrawal of Dr. K. Ramakrishnan, Sri A. H. S. Sharma was elected the Vice-President. The following were elected unanimously for the various posts.

Editor : Dr. S. Kanakaraj David.

Secretary : Sri M. Bagavandas.

Manager : Sri S. Sankaran.

Treasurer : Sri K. R. Nagarajan.

Managing Committee :

Members : Sri M. Dinakaran.

„ Dr. D. Daniel Sundararaj.

„ Sri M. V. Jayaraman.

Editorial Board :

Members : Sri T. Nataraj.

„ Dr. K. Ramakrishnan.

„ Sri D. John Durairaj.

Mofussil Vice-Presidents :

Sri C. R. Seshadri.

„ S. M. Sulaiman.

„ T. S. Francis.

Mofussil Members:

- Sri K. R. Sundaresan.
 „ Srinivasan.
 „ Bennet Masilamani.
 „ V. Subbaiah.
 „ P. V. Marappan.

Resident Members:

- Dr. V. Santhanam.
 Sri E. G. Sivasami.

Sri C. S. Krishnasami proposed a vote of thanks to the previous Committee.

Report of the Managing Committee for the Year 1959—'60

It is with great pleasure the Managing Committee presents the following report for the year 1959—'60.

Membership: The strength of the Union as it stood on 31—7—1960 was 1242 as against 1303 during the preceding year. It now consists of 597 student members, 135 resident members, 464 subscribers (including those on exchange basis) and 46 patrons. The Managing Committee appeals to all those present here to contribute their mite in strengthening the Union by enlisting many more members.

Office - Bearers: Dr. S. Krishnamurthi, the Dean and Additional Director of Agriculture was the Ex-Officio President throughout the year. The post of the Ex-Officio Vice-President was held by Dr. A. Mariakulandai and subsequently by Dr. B. W. X. Ponnaiah for a short period. Dr. S. Kanakaraj David was the elected Vice-President, Sri T. Nataraj, Sri M. Dinakaran and Sri V. Mariappan were the Editor, Secretary and Manager respectively. Sri M. Murugesan was the treasurer up to July, 1960 when he was succeeded by Sri B. Velayutham.

Meetings: Twelve meetings of the Managing Committee were held during the year under report to transact the business of the Union.

The Madras Agricultural Journal: The Journal was published regularly during the year and the Editorial Board met every month to transact the business connected with the publication of the Journal. The Market Committee chronicle was continued to be published as a supplement to the Journal, under the valuable patronage of the various Market Committees of the State. The Union is thankful to them for their co-operation. The Managing Committee places on record the valuable services rendered by the Editorial Board in maintaining the regularity and standard of the Journal. Our thanks are also due to the Secretary of the Coimbatore Co-operative Printing Works, Limited, who undertook the printing and maintained a good standard in the format of the journal.

Finance: The finances of the Union continued to cause anxiety. With the increase in the costs of printing and the number of student and non-gazetted officer members on concessional rates of subscription of Rs. 3/- and Rs. 4/- per annum respectively, the Union is facing difficulties in meeting the expenses connected with its publication. The Union is grateful to the Government of Madras for its annual subsidy of Rs. 1,800/-. We appeal to one and all of our members and subscribers to help the Union by the prompt payment of subscription.

Prizes and Awards:

The following awards were made during the year :—

1. Ramasatrulu Munagala Prize.
2. The V. C. Vellingiri Gounder Gold Medal.
3. The N. Veeraragavalu Naidu Rolling Shield (one of the Golden Jubilee Rolling Shields).

All the above three awards were won by Sri M. Charles Ratnasamy, Millets Assistant, Coimbatore.

Patrons:

We welcome the following two new patrons to our Union :—

1. Sri Balasubramaniam, B. A., Brinda, Vallabai Road, Madurai,
and
2. Sri S. P. Sekkappan, B. Sc. (Ag.), Godhana Estate,
Mysore State.

We regret to record the demise of one of our patrons Sri V. C. Subbiah Gounder during the year.

Acknowledgements: The Managing Committee sincerely thanks all the members of the different councils for their keen interest in all the activities of the Union. We are extremely thankful to Dr. S. Krishnamurthi, Dean and Additional Director of Agriculture, who as the Ex-officio President of the Union evinced keen and abiding interest and guided us in the conduct of its affairs. We are also thankful to Dr. A. Mariakulandai and Dr. B. W. X. Ponniah, Ex-officio Vice-Presidents, Dr. S. Kanakaraj David, the elected Vice-President and Sri T. Nataraj, the Editor, who helped us greatly in the successful conduct of the activities of the Union. We acknowledge the help rendered by everyone of the convenors, members of the various committees and students who extended their willing co-operation in the successful conduct of the 43rd College Day and Conference.

(Sd.) **M. DINAKARAN,**
Secretary.

N. B. :— The Audit Report along with Budget will be published in the next issue.

Prizes distributed during the College Day and Conference.

No.	Name of the award	Condition of the award	Name of the winner
1	Ramasastrulu Mungala Prize	For the best account of original research or inquiry.	Sri M. Charles Ratnaswami
2	V. C. Vellingiri Gounder Gold Medal	For the best research worker of the Department.	
3	N. Veeraragavalu Naidu Shield	For the best research worker in Botany.	
4	T. Konda Reddy Shield	For the best research worker in Agronomy.	Not awarded
5	O. M. Lakshminarayana Reddy Shield	For the best research worker in Plant Pathology.	Not awarded
6	P. S. G. Ganga Naidu Medal	For the best research worker in Sugarcane.	Not awarded
7	Ramakrishna Medal	For the best research worker in Cotton.	Not awarded
8	Robertson Prize	For the student who obtains the highest number of marks in the Final B. Sc. (Ag.) Examination.	Sri K. P. Prabhakaran
9	Clogstoun Prize	For the student who obtains the highest number of marks in all the terminal Examinations.	Sri A. S. Tennakoon
10	Kees' Prize	For the student who obtains the highest number of marks in Agricultural Chemistry of the Final B. Sc. (Ag.) Examination.	Sri Amirtha Devanatham and Sri T. J. D'Souza

No.	Name of the award	Condition of the award	Name of the Winner
11	Dewan Bahadur N. Raghunatha Rao Prize	For the student who obtains the highest number of marks in Practical Agriculture in all the terminal and the University Examination of the Final B. Sc. (Ag.)	Sri Navaneethakrishnan
12	D'Silva Memorial Prize	For the student who obtains the highest number of marks in Animal Hygiene of the Second Year B. Sc. (Ag.) Examination.	Sri Shanmugasundaram
13	Goschen Prize	For the student who obtains the highest number of marks in the Second B. Sc. (Ag.) Examination in Agricultural Zoology.	Kumari Pauline Cornelius
14	Anstead Prize	For the student who stands first in Plot Cultivation in Second Year B. Sc. (Ag.)	Sri K. Ponnuswamy
15	Rao Bahadur K. S. Venkatarama Iyer Prize	For the student who gets the highest aggregate marks in the First B. Sc. (Ag.) Examination.	Sri M. Velayutham
16	Sampson Prize	For the student who gets obtains the highest marks in Agricultural Botany of the Final B. Sc. (Ag.) Examination.	Sri Abdul Ravooof
17	Dewan Bahadur L. D. Swamikannu Memorial Prize	For the student who secures the highest number of marks in all the three University Examinations put together.	Sri A. S. Tennakoon

Name of the award	Condition of the award	Name of the Winner
18 F. A. O. Prize	For the student who obtains the highest number of marks in Chemistry in all the terminal and University Examinations of the Second Year.	Sri C. R. Nagarajan
19 F. A. O. Prize	For the student who obtains the highest number of marks in Chemistry in the terminal and University Examinations of the First Year.	Sri M. Velayutham
20 M. K. Nambiar Prize	For the student who obtains the highest number of marks in the Second B. Sc. (Ag.) Examination.	Sri C. R. Nagarajan
21 Gupta Memorial Prize	For the student who obtains the highest number of marks in Agricultural Engineering in the Second B. Sc. (Ag.) Examination.	Sri Ramabhadran
22 M. Bhaktavatsalam Medal	For the best student in Horticulture.	To be announced later
23 C. Subramaniam Medal	For the best student in Plant Pathology.	To be announced later
24 S. Sambamurthi Medal	For the best student in Agricultural Economics.	
25 Krishnaswami Naidu Medal	For the best student in Practical Agriculture in the First Year.	
26 Elocution Competition		I Sri Jalaludeen II Sri K. S. Subbiah

College Day Sports

The College Day Sports were conducted on 21st August 1960. There was a tie for the Championship cup this year. Sri G. Ramachandran, I. A. S., Collector of Coimbatore presided and Mrs. Ramachandran gave away the prizes to the winners.

Events	First	Second
100 Metres Dash	K. R. Janakiraman	Vincent
200 " "	Ameen	Paul Devakumar
400 " Race	Syed Mohammed	do.
800 " "	do.	K. Devaraj
1500 " "	V. N. Krishnaswami	do.
5000 " "	K. Devaraj	V. N. Krishnaswami
110 " Hurdles	Syed Nazeer	Kuppuraj
200 " "	Syed Mohammed	Paul Devakumar
Cross Country Race	V. N. Krishnaswami	K. Devaraj
Old Boys' Race	Sri S. Varatharajan	Sri M. D. Prabhu
Obstacle Race	D. Raman	Papuraj
800 Metres (Invitation Race)	K. Arumugam (St. Michael's)	Dhurari (C. I. T.)
Long Jump	Vincent	T. M. Kandaswami
Hop, step & Jump	K. S. Ramaswami	S. Devaraj
High Jump	S. Devaraj	S. Radhakrishnan
Shot put	Deivasigamani	Sivashanmugam
Hammer Throw	L. Marappan	Deivasigamani
Javelin Throw	T. M. Kandaswami	L. Marappan
Discuss Throw	Deivasigamani	Sivashanmugam
Pole vault	Sheik Dawood	G. Viswanathan

College and Estate News

Madras University Academic Council: Sri G. Thulasidas, Assistant Lecturer in Botany has been elected as a member of the Madras University Academic council for the period from August, 1960 to August, 1963.

Sri S. S. Nagarajan, B. Sc. (Ag.), Assistant in oilseeds has been awarded the M. Sc. degree of the Madras University for his thesis on "Role of calcium in the nutrition of the groundnut plant and its inter-relations with other element". Our hearty congratulations go to him.

— Editor.

Weather Review — for July, 1960.

RAINFALL DATA (IN INCHES)

Region	Station	Total rainfall for the month	Departure from normal	Total since 1st January
North	Madras (Meenambakkam) ...	2.4	- 2.2	7.8
	Tirurkuppam* ...	2.4	- 1.9	6.2
	Vellore ...	12.1	+ 6.4	17.3
	Gudiyatham* ...	5.5	+ 2.0	10.5
East Coast	Palur* ...	4.5	+ 1.5	7.1
	Tindivanam* ...	3.4	+ 1.9	6.8
	Cuddalore ...	3.6	- 1.2	8.6
	Nagapattinam ...	9.2	+ 6.1	17.5
	Aduthurai* ...	7.5	+ 5.6	10.9
	Pattukkottai* ...	4.0	+ 1.3	15.7
Central	Salem ...	9.1	+ 2.5	17.3
	Coimbatore (A. M. O.) * ...	3.6	+ 1.0	14.6
	Coimbatore ...	3.5	+ 2.3	8.1
	Tiruchirapalli ...	5.9	+ 1.8	11.7
South	Madurai ...	7.2	+ 3.1	13.0
	Pamban ...	2.6	+ 2.0	10.5
	Koilpatti* ...	4.5	+ 3.8	15.9
	Palayamcottai ...	1.9	+ 1.2	14.6
	Ambasamudram* ...	3.5	+ 2.4	19.3
	Nagercoil* ...	8.9	+ 4.9	30.3
	Capecomorin* ...	4.1	+ 1.7	26.5
Hills	Kodaikanal ...	8.8	+ 1.8	37.8
	Coonoor* ...	7.0	+ 4.1	41.7
	Ootacamund* ...	7.9	- 1.3	22.2
	Nanjanad* ...	13.2	+ 0.8	26.9

1. * Meteorological Stations of the Madras Agricultural Department.

The month began with a dry weather throughout the State. Scattered showers were received in the subsequent two days. Though the monsoon became active in Kerala on 4-7-1960, only localised and scattered showers were received in Madras State till 14-7-1960. Thereafter till 18-7-1960 the showers were highly localised except in north Madras State, which had scattered showers on 18-7-1960. Rains were fairly widespread on 19-7-1960 and 20-7-1960. Again only scattered showers were received for two days from 21-7-1960. The weather became dry again on 23-7-1960. From 24-7-1960 to 29-7-1960 scattered showers were received. In the last two days of the month the weather was mainly dry.

2. In regard to fluctuations in day temperatures there were no large changes. In fact, the day temperature was practically steady throughout the month.

3. The noteworthy rainfalls and zonal rainfalls for the month of July, 1960 are furnished hereunder :-

Noteworthy rainfalls.

No.	Date	Name of Place	Rainfall in inches
1.	2-7-1960	Nanjanad	2.6"
2.	7-7-1960	Nagapattinam	3.2"
3.	9-7-1960	Vellore	2.8"
4.	13-7-1960	Tiruchirapalli	2.0"
5.	14-7-1960	Madurai	2.8"
6.	19-7-1960	Palur	2.4"

Zonal rainfall (in inches)

Name of the Zone	Rainfall for July, 1960	Departure from normal	Remarks
North	5.5"	+ 1.1	Above normal
East Coast	5.4"	+ 2.5	do.
Central	5.5"	+ 1.5	do.
South	4.7"	+ 2.7	do.
Hills	9.2"	+ 1.4	do.

Agricultural Meteorology Section,
Lawley Road Post, Coimbatore-3.
11th August, 1960.

C. B. M., & K. P. N.

Departmental Notifications

Upper Subordinates—Agricultural Department
Postings and Transfers during the month of August, 1960

Name and Designation	Posted or Transferred to
Srimathi Rani Perumal, Assistant in Chemistry	Granted Extraordinary leave, for 2 month from 1-7-'60 to 31-8-'60
Sri V. Navaratnam, Extension Assistant, Periakulam.	Horticultural Development Assistant, Attur, Salem.
.. M. S. Karuppuswami, Fruit Assistant, Periakulam (Model Orchard)	Fruit Assistant, Fruit Research Station Periakulam.
.. K. P. Ramachandran Nair, Fruit Assistant, Fruit Research Station, Periyakulam.	Fruit Assistant, Model Orchard, Periyakulam.

Name and Designation	Posted or Transferred to
Sri K. C. Chandy, Assistant Entomologist	Assistant in Entomology, Coimbatore.
Sri V. K. Devadoss, Farm Manager, Kattupakkam.	Resigned
„ B. Dandapani, Assistant in Chemistry, Coimbatore	Resigned
„ T. B. Ranganathan,	Paddy Assistant, Tirur.
„ A. Thirunavukkarasu,	Chemistry Assistant, Cuddalore.
„ T. E. Sivaprakasam	Assistant in Entomology, Coimbatore
„ K. G. Subramaniam, Assistant in Entomology	Ousted from Service
„ V. K. Rajagopalan	Oilseed Development Assistant Coimbatore.
„ S. P. Lakshminipathi	Coconut Development Assistant Padalam
„ R. Balasubramaniam	Extension officer for Agriculture, Veda-siruvellur
„ B. Balasubramaniam	Agricultural Demonstrator, Koradacheri
„ P. Vidyasekaran	Alloted to Chemistry Section, Coimbatore
„ G. Ramiah, Fieldman, Panruti	Extension Officer for Agriculture, Thyagadurgam
„ A. Antoniswami, Fieldman, Tittagudi	Extension officer for Agriculture, Thiruvennainallur.

**Gazetted Officers—Madras Agricultural Department
Postings and Transfers during the month of August, 1960**

Name and Designation	Posted or Transferred to
Sri C. Ekambaram, District Agricultural Officer (on leave)	Cane Development officer, Trichy
„ T. M. Balasubramaniam, Cane Development Officer, Trichy	Retired from Service
„ V. Ramakrishnan, Algologist	Earned leave for 10 days from 7—7—60 to 16—7—60
Kumari A. P. Sarojini Damodaran, Additional Lecturer in Mycology	Additional Charge of Algologist
Dr. S. Kanakaraj David, Reader in Entomology, Coimbatore	Lecturer in Entomology, Coimbatore
Sri S. Venugopal, Lecturer in Entomology Coimbatore	Asst. Entomologist (Vegetable Scheme Coimbatore)
Sri K. R. Sundaresan, Asst. Agronomist, Sirugumani	Earned leave for 20 days from 11—7—60 to 30—7—60

Name and Designation	Posted or Transferred to
The Senior Assistant, Sugarcane Research Sub-station, Sirugumani	Additional charge of the post of Asst. Agronomist.
Sri K. Kuppamuthu, Assistant Extension Specialist, Coimbatore.	The Secretary, Coimbatore Market Committee, Tiruppur.
Kumari Vinodhini Vasudevan, Assistant in Plant Physiology	Plant physiologist, Coimbatore
Sri Md. Basheer, Entomologist and Associate Professor of Entomology Coimbatore	Reader in Entomology Coimbatore
„ C. K. Ramachandran, Cotton Specialist, Coimbatore	Earned leave for 19 days from 16—9—60 to 3—9—60
„ K. G. Narayanan, Cotton Extension Officer, Coimbatore	Additional charge of Cotton Specialist
„ V. K. Appaji, Sugarcane Specialist, (on leave) Cuddalore	Sugarcane Specialist, Cuddalore
„ Govindaswami Asst. Mycologist, Coimbatore	Lecturer in Mycology Coimbatore
Srimathi C. K. Sowmini Rajagopalan, Lecturer in Mycology Coimbatore	Asst. Mycologist, Coimbatore
Sri K. M. Vijayan, Assistant in Mycology Sugarcane Sub-station, Kulithalai	Asst. Mycologist, Coimbatore
„ K. P. Kuppaswami, Asst. Horticulturist, Coonoor	Assistant Horticulturist, Ooty
The Horticulturist & Associate Professor of Horticulture, Coimbatore	Additional charge of Assistant Horti- culturist, Coonoor
Sri P. Chandrasekaran, Cytogeneticist Coimbatore	Earned leave for 15 days from 26—6—60 to 9—7—60
Dr. D. Daniel Sundararaj, Systematic Botanist and Associate Professor of Botany	Additional charge of Cytogeneticist
Srimathi Girija Balasubramaniam Lecturer in Botany	Additional charge of Cytogeneticist, (Fodder scheme)
Srimathi Sunanda Saktharam Rao, Asst. Botanist (soil conservation scheme) Ooty	Fodder Research Officer, Coimbatore
Sri S. Madhava Rao, Fodder Research Officer, Coimbatore	Assistant Botanist, (Soil conservation scheme) Ooty
„ J. Vaidyanathan, Asst. Agronomist, Rajathanikottai	Asst. Agronomist, Cuddalore
„ Solomon Durairaj, Asst. Agronomist, Cuddalore.	Asst. Agronomist, Rajathanikottai

Short Notes on Cardamom Market Price in Madurai District during June, 1960.

During June, 1960 there was good rainfall in most of the Cardamom plantation areas in Kerala State adjoining Madurai district as well in Palani hills in Madurai district. During the last week of the month, it was reported that, the rainfall was in sufficient in some of the plantation areas. Since there was good rain in April-May the crop to be harvested in July will be a good crop.

The stand of the crop is good. Agricultural operations like weeding spraying and planting of seedlings were in progress.

Arrivals of Cardamom in all the assembling centres were very few during the month. In centres like Thevaram, Kombai, Pannipuram, Uthamapalayam and Cumbum the arrivals were almost nil. At Bodinaickanur there was no Cardamom auction during the month. Despatches from Bodinaickanur were mainly to Bombay Amritsar, Delhi, Shalimar, Agra and Kanpur. Bombay sales were good during the second and third week of the month. During the first and last week of the month sales were poor.

Exports were made to Sweden, England and Germany.

During the first week of June there was a slight increase in the price of cardamom compared to the previous week at the Bodinaickanur assembling centre. During the second week the prices rose up by 12 to 25 nP. per lb. compared to the first week. During the third and fourth weeks of the month the prices remained steady and there was no change compared to the first week of the month.

Prices of Cardamom as prevailed in the important assembling centres during the month are given below :

I Bodinaickanur :

Name of the quality or variety of cardamom	Rate per lb. in Rs. nP.
1. Superior quality	9.75 to 10.28
2. Medium quality	9.12 to 9.80
3. Inferior quality	8.50 to 9.37
4. Seeds	11.50 to 12.53

II Pattiveeranpatti :

(a) Sundried,

1. Superior bold	9.40 to 9.54
2. Medium bulk	9.12 to 9.32
3. Inferior small	8.90 to 9.10

(b) Store green.

1. Superior and bold	10.27 to 12.06
2. Medium and bulk	9.31 to 9.93
3. Inferior and small	8.93 to 9.29
(c) Splits	8.38 to 8.91
(d) Lights	6.55 to 7.52
(e) Seeds	8.02 to 12.04

III Virudhunagar :

1. Bold	10.37
2. Smalls	9.00 to 9.25
3. Bulk	9.50
4. Shipment	8.63
5. Seeds	12.37

Estimated stock position during the month of June, 1960 at the different assembling centres in Madurai District and at Virudhunagar in Ramnad District.

Name of the Assembling centre	Opening balance in lbs.	Arrivals in lbs.	Despatches in lbs.	Closing stock in lbs.
1. Bodinaickanur	10,500	26,300	28,800	8,000
2. Thevaram	2,500	nil	1,500	1,000
3. Pannaipuram	nil	nil	nil	nil
4. Kombai	4,000	nil	1,000	3,000
5. Uthamapalayam	3,000	nil	3,000	nil
6. Cumbum	50,000	nil	20,000	30,000
7. Gudalur	5,000	nil	3,000	2,000
8. Pattiveeranpatti	1,000	7,500	8,000	500
9. Virudhunagar	50,000	15,500	22,500	43,500

Other Markets

Name of the market centre and quality of cardamom	Rate per local unit of weight in Rs. nP.	Rate per lb. in Rs. nP.
Rate per Seer.		
I Bombay		
1. Cardamom white	19 to 20	9.36 to 9.72
2. Cardamom Soneri	23 to 24	11.18 to 11.65
II Delhi	20 to 26	9.72 to 13.51

Other Market (Contd.)

Name of the market centre and quality of cardamom	Rate per local unit of weight in Rs. nP.	Rate per lb. in Rs. nP.
III Amritsar		
1. Motta green	21/-	9-72
2. Mysore Rabin	21 to 23	9-72 to 11-18
3. Bold quality ✓	23 to 25	11-18 to 12-15
4. Extra Bold	25 to 27	12-15 to 13-09
Rate per Maund of 82-3 lbs.		
IV Sibsi	660 to 766-00	8-02 to 9-30
V Mangalore	648 to 773-00	7-85 to 9-39
VI Mercara		
1. Coorg FAQ	602-36 to 690-22	7-30 to 8-99
2. Coorg Nad	690-22 to 749-00	8-39 to 9-10
3. Coorg Male	602-30 to 703-88	7-30 to 8-51
4. Coorg green	690-22 to 749-00	7-30 to 9-10
Rate per Maund of 28 lbs.		
VII Sankalespur	225-00 to 334-00	8-04 to 11-93
Rate per local maund		
VIII Kanpur		
1. Sakalespur	1075 to 1128-00	
2. Bodinaiekanur	1335 to 1550-00	
3. Mangalore	1335 to 1550-00	



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