

before the day arrives for me to leave India, this hall will not be sufficiently large to hold the students of the Agricultural College. Never forget the debt you and we owe to the old students of Saidapet who, through these recent years of expansion have been our main stay and to whom especially most of you and those who have recently left Coimbatore owe a great part of their education. They, I know, look upon Coimbatore and Coimbatore boys as their children and they watch over your future acts and behaviour with the anxiety and pride of a father. They too will be proud of the day when this hall is too small to contain you. But if that is ever to be attained it depends upon the general reputation which you can gain in the world for the students of the Agricultural College, Coimbatore. We have had stalwarts in the past but we need giants for the future. Finally I would ask the support of all of you, wherever fate may take you, for the Madras Agricultural Students' Union. The labours connected with it fall mostly on a few and I assure you they are onerous. Support the journal as well as ever you can, both by sending contributions and by subscribing to its issues. It is for the moment experiencing considerable difficulties on account of the scarcity of paper. Your support is all the more important.

As this is the best chance I have of speaking to you all, together, I wish to thank you very heartily for the kind invitation to your social gathering this evening which I accept with much pleasure. I wish you all good bye and good holiday.

Notes.

The Agency bean 'Chikkudu gingulu.' On approaching a village in the Godaveri Agency the first sight which strikes one is numbers of large, irregularly-planted pillars of green foliage, in December a mass of delicate purple flowers but, in January, covered with the pods of the ripening beans. Several beans are

planted in a circle, and trained up poles about 10' high. The simple hill man, living far from the fevered contact of the Sanitary Commissioner, has his own methods of sanitation, which result in the ground all round his house being richly supplied with 'available nitrates.' The beans flourish exceedingly, and run up the poles and fall down in long festoons covered with flowers and beans.

On seeing these it occurred to me that they would look well on some of those trellises in front of the quarters occupied by the staff at the Agricultural College. If they succeed, they would pass the feeding test with flying colours, besides being highly ornamental when in flower. Presumably they would be planted as a N. E. monsoon crop to ripen about January. In this hope I am sending a small quantity of seed by separate parcel.

M. E. COUCHMAN.

Sugar-cane planting machine:—The M'Nichol cane-planter drawn by 3 horses and operated by 2 men is said to be able to plant with canes from 5 to 8 acres per day. The machine drills, lays and covers the canes all in one operation. [The Australian sugar Journal April 6, 1916]. T. S. V.

Cocoanut trees and Lightning:—Though many may have heard of cocoanut trees being struck by lightning yet the actual effects of a lightning stroke may not be quite familiar. The damage thus caused may take any one or any combination of the following 3 forms:—

- (1) The crown may be set on fire.
- (2) The tree may be mechanically injured either by splitting of the stem or by defoliation.
- (3) The tree may exude a liquid which dries in red-brown streaks or patches on the stem. The last is said to be, by far,

the commonest form of damage from a lightning stroke. Liquid oozes out from the innumerable cracks which are always to be found on the rind of the cocoanut stem forming white frothy masses and running down in long red streaks. The appearance gives the impression that the whole of the internal tissues was undergoing rapid fermentation.

“ When a tree has been partially struck by lightning—but not killed outright—steps should at once be taken to bleed it and the surrounding trees by boring holes at their bases with an augur”.

The effect of a lightning stroke can be simulated by making a fire near the base of a cocoanut but not near enough to char the stem. When so treated red-brown patches above described appear on the stem after a short time.

One important use of the cocoanut tree is not generally recognized. Especially when wetted by rain it acts as an efficient lightning conductor over the huts which nestle under it. [Tropical Agriculturist October, 1915]. T. S. V.

Departmental Notes.

Agricultural Department.

Upper Division.

Scientific Sections.

Posts approved.

One on first grade on Rs. 200.
Two on second grade on Rs. 175,
Four on third grade on Rs. 150.
Eleven on fourth grade on Rs. 75, 75, 75-5-125.

Posts sanctioned all except one in the third grade and two in the fourth grade.

First Grade (1) Rs. 200.

1. C. Tadulingam, F. L. S.

Second Grade (2) Rs. 175.

1. T. V. Ramakrishna Ayyar, B. A., on other duty as acting Government Entomologist.

Third Grade (3) Rs. 150.

1. S. Sundararaman, M. A.
2. Y. Ramachandra Rao, M. A.
3. T. S. Venkatraman, B. A., on deputation at the Sugarcane Station.

Fourth Grade (9) Rs. 75, 75, 75-5-125.

Personal Scale Rs. 50-10-150. Date of increment.

- | | | |
|--|---------|---|
| 1. K. Krishnamurti Rao. | ... | 1st January 1916. |
| | | On deputation at the Sugarcane Station. |
| 2. C. Narayana Ayyar. | Rs. 100 | 1st October 1915. |
| 3. T. R. Ranganath. | 90 | 18th July 1915. |
| 4. P. A. Raghunathasami Ayyangar. | 90 | 1st October 1915. |
| 5. B. Viswanath, F. C. S. | 90 | 20th January 1916. |
| N. B.—B. Viswanath's scale is Rs. 50-10-100. | | |
| 6. G. N. Rangaswami Ayyangar, B. A. | 80 | 2nd December 1915. |

Regular Scale Rs. 75, 75, on probation and then Rs. 75-5-125.

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|---|--------|-----------------|
| 75-5-125. | | |
| 7. T. Lakshmana Rao, B. A. | Rs. 80 | 1st April 1916. |
| 8. S. P. Venkatakrishna Mudaliar, B. A. | 75 | 1st April 1916. |
| 9. P. S. Jivanna Rao, B. A. | 75 | 1st April 1916. |

Sub-Protém.

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|----------------|-------|---|
| 1. K. Ramayya. | Rs 75 | Sub Pro Tem for No. 1. Remains on Rs. 75 till 2 years probation in scientific work is over. |
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Acting.

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| 1. P. V. Isaac, B. A. | 75 | (Vice M. R. Ry. T. V. Ramakrishna Iyer on other duty as acting Government Entomologist). |
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Temporary. 50-10-150.

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|-------------------|--------|-------------------|
| 1. Cheriyan Jacob | Rs. 70 | 11th August 1915. |
| 2. U. Vittal Rao. | 50 | 2nd July 1915. |

Agricultural Section.

	No. of posts approved.	No. which may be filed.
First grade on Rs. 200	5	1
Second grade on Rs. 175	8	3
Third grade on Rs. 150	12	1
Fourth Grade on Rs. 50-5-125	42	25

First Grade on Rs. 200 (I)

1. D. Balakrishna Murti. On other duty as a Sub-protém Assistant Director.

Second Grade (3) Rs. 175.

1. A. V. Thirumuruganatham Pillai.
2. M. Govinda Kidavu.
3. R. Ramasami Ayyar.

Third Grade (1) Rs. 150.

1. S. Subramania Ayyar.

Fourth Grade (25) Rs. 50-5-125.

- | | Personal Scale Rs. 100-10-150. | Date of Increment. |
|--|--------------------------------|--------------------|
| 1. T. V. Narayana Rao. | Rs. 130 | 1st June 1915. |
| N. B.—Narayana Rao's scale is Rs. 50-10-150. | | |
| 2. Rao Sahib A Rama Rao | 110 | 13th August 1915. |

Regular Scale Rs. 50-5-125.

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|--------------------------------|-----|---|
| 3. T. V. Rajagopala Achari. | 100 | 1st April 1916. |
| 4. M. Mangesha Rao | 90 | 1st April 1916.
(On deputation as Farm Manager,
Sugarcane station). |
| 5. S. Ramasami Pillai. | 75 | 1st April 1916. |
| 6. M. Muthusami Ayyar. | 65 | " |
| 7. K. Narayana Ayyangar | 65 | " |
| 8. K. Unnikrishna Memon. | 65 | " |
| 9. N. S. K. landaisami Pillai. | 65 | " |
| 10. K. T. Alwa. | 50 | " |
| 11. S. Narayana Ayya. | 50 | " |
| 12. K. Raghavachari. | 50 | " |
| 13. K. Ramayya. | 50 | 1st April 1916. On other
duty in the Science Sections. |
| 14. K. Gopalakrishna Razu. | 50 | 1st April 1916. |
| 15. T. Budhividehya Rao. | 50 | " |
| 16. 25 Vacant. | | |

Sub Protem in permanent vacancies.

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|-------------------|----|-----------------|
| M. K. Nembiyar. | 50 | 1st April 1916. |
| C. V. Seshachari. | 50 | " |

Lower Division.

	Posts approved.	Posts which may be filled.
First Grade on Rs. 90	6	...
Second grade on Rs. 85	9	...
Third grade on Rs. 80	18	...
Fourth grade on Rs. 35-2½-75.	108	50

Agricultural Section.**Fourth Grade. (41).****Personal Scale—50-5-100.**

These officers will continue to draw their increments in the personal scale subject to the ordinary conditions up to Rs. 100. But whenever any of them draw Rs. 80, 85, 90, 95 or 100 that officer will be considered to be holding such a post in one of the first three grades as is nearest in value to the pay the officer is actually drawing.

		Increment dates from.
1. L. S. Natesa Ayyar.	Rs. 75	1st April 1916.
2. V. S. Narayanasami Ayyar.	65	1st September 1915.
3. K. Sankara Ayyar.	65	1st October 1915. This will not affect the next increment which will fall on 1st September 1916.
4. M. V. Raghavulu Naidu.	65	1st September 1915.
5. T. R. Venkasami Rao.	65	1st April 1916.
6. N. Sitharamasamy Naidu.	65	"
7. V. G. Dhanakoti Razu.	60	1st June 1915.
8. K. Ramanatha Ayyar.	60	1st July 1915. } These
9. W. Raghava Achari.	60	" } have

been confirmed as Farm Managers in the old scale of Rs. 50-5-100 with retrospective effect from 12th August 1914.

Regular Scale. 35-2½-75.

10. S. Subbaya.	Rs. 55	1st April 1916.
11. V. S. Subramania Sastri.	50	"
12. T. S. Venkatrama Ayyar.	50	" On deputation in the sugarcane station.
13. G. R. Venkatachalapathy.	50	"

Personal Scale. 35-3-50 until Rs. 50 is reached and then regular scale.

14. V. S. Ramasami Ayyar.	47	12th January 1916.
15. M. Raman.	47	1st January 1916.
16. K. P. Sundara Ayyar.	47	"
17. M. K. Nambiar.	47	12th January 1916.

Sub-promoted in Upper Division.

18. C. V. Sessa Achari.	47	31st March 1916.
		Sub-protom in Upper Division.
19. C. S. Madiah	44	7th June 1915.
20. K. T. Bhandary.	44	29th October 1915.
21. T. A. Krishna Ayyar.	44	10th January 1916.
22. A. Chinnathambi Pillai.	44	28th January 1916.
23. D. Panakala Rao.	41	12th September 1915.
24. K. Ramanuja Achari.	41	31st August 1915.
25. V. Ratnaji Rao.	41	21st August 1915.
26. B. Siva Rao.	41	1st July 1915.
27. K. P. Harihara Ayyar.	44	24th August 1915
		appointed temporarily for 2
		years from 24th August 1914.
28. Rajagopal G. Mal.	38	2nd June 1915.
29. M. U. Vellodi.	35	11th April 1915.

Sub Protom.

30. N. V. Viswanatha Ayyar.	38	31st October 1915.
31. M. Virarrghava Rao	35	15th June 1915.
32. S. Sitharama Patrudu.	35	18th May 1915.
33. S. Pranatharthiaran.	35	1st September 1915.
34. 41 Vacant.		

Scientific Section.

Nine posts sanctioned in fourth grade 35—2½—75 besides one sanctioned for Paddy Breeding Station on 25—5 (biennial) 50 in G. O. No. 3112-Rev. dated 30th October 1914.

Regular Scale. (35-2½-75.)

		Date of Increment.
1. P. V. Raghavendra Rao.	Rs. 45	1st April 1916.
2. Muhummad Azizuddin.	35	„
3. P. Visinu Somayaji.	35	„
		(Personal scale (25—5 (biennial)—35 and then Regular scale).
4. C. Krishnan Nair.	25	19th November 1914.
5. S. Ramasami Raju.	25	1st October 1914.
6. C. S. Gopalaswami Rao.	25	28th November 1914.
7. P. Susainathan.	Sub Protom.	30
		22nd June 1914.
8. D. Ponnayya.	„	25
		12th April 1915.
9. B. V. Raghavendra Rao.	50	Appointed temporarily
		for 2 years till the end of June 1917.

Fieldmen on 25-5 (increment biennial)-50.

10. M. Ramaswami Pillai.	25	11th August 1915.
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Temporary.

11. R. Thomas.	30	1st November 1914.
12. G. V. James.	30	1st November 1914.
13. E. S. Pasupati Ayyar.	25	4th February 1915:

Transfers.

1. M. R. Ry., R. Ramaswami Ayyar, Agricultural Demonstrator, Agricultural College, Coimbatore, to Sirvel as Manager, Sirvel Agricultural Station.—To relieve No. 9 after the end of the current term, May 1st.

2. M. R. Ry., C. Narayana Ayyar, Assistant in Entomology to work as Agricultural Demonstrator in the Agricultural College, Coimbatore.—To take charge on return from leave.

3. M. R. Ry., K. T. Alwa, Manager of Agricultural Station, Tali-paramba, to the Agricultural College, Coimbatore as Agricultural Demonstrator.—To join at College on May 20th.

4. M. R. Ry., Unni Krishna Menon, Agricultural Demonstrator, Agricultural College, Coimbatore, to Sholavandan as Agricultural Demonstrator (on green manure introduction work).—To take over charge from No. 7. on May 8th.

5. M. R. Ry. V. Muthusamy Ayyar, Manager, Samalkoto, Agricultural Station as Agricultural Demonstrator, Tanjore District.—To join on expiry of special work at Samalkota.

6. M. R. Ry., T. R. Venkasami Row, Assistant Agricultural Demonstration, Tanjore to Hagari as Assistant Manager of Agricultural Station, Hagari.—To join on relief by No. 5.

7. M. R. Ry., K. Ramanatha Ayyar, Assistant Agricultural Demonstrator, Sholavandan to Godavari District, as Assistant Agricultural Demonstrator for groundnut propagandist work.—To join on relief by No. 4.

8. M. R. Ry., T. S. Venkatarama Ayyar, Assistant Manager on deputation at the Sugarcane Station, Coimbarore, to Koilpatti as Assistant manger.—To join on relief by No. 9.

9. V. S. Ramaswami Ayyar, Assistant Manager, Sirvel Agricultural Station to Coimbatore as Assistant Manager Sugarcane Station, Coimbatore.—To join on relief by No. 1.

10. C. Madiah, Assistant Manager, Koilpatti Agricultural Station, to Taliparamba, as Assistant Manager.—To join on return from leave.

11. K. P. Sundara Ayyar, Assistant Agricultural Demonstrator, Tinnevely District to Manganallur as Assistant Manager, Manganallur Agricultural Station.—To join on relief by No. 8.

12. M. U. Vellodi, Assistant Manager, Manganallur to Malabar as Assistant Agricultural Demonstrator for "Areca nut palm disease work.—To join in May on date fixed by the Deputy Director of Agriculture, Southern Division.

13. D. Parakala Row, Assistant Manager, Samalkota Agricultural Station to Palur as Assistant Manager, Palur Agricultural Station.—To proceed at once.

14. S. Paranarthiharan, Assistant Manager, Palur Agricultural Station to Samalkota as Assistant Manager, Samalkota Agricultural Station.—To join on relief by No. 13.

15. M. R. Ry., V. Muthusamy Ayyar, Manager, Samalkota Agricultural Station is transferred as Manager, Anakapalle Agricultural Station. To join at once. This cancels his transfer to Tanjore District.

16. M. R. Ry. K. Narayana Ayyangar, Manager, Anakapalle, Agricultural Station, is transferred as Agricultural Demonstrator, Tanjore District. To join on relief by M. R. Ry. V. Muthuswamy Ayyar.

17. E. S. Pasupathi Ayyar, Fieldman, Temporary, G. S. E's Section has been appointed as a Temporary Silk Fieldman under the Government Entomologist, in the place of B. V. Raghavendra Rao under suspension.