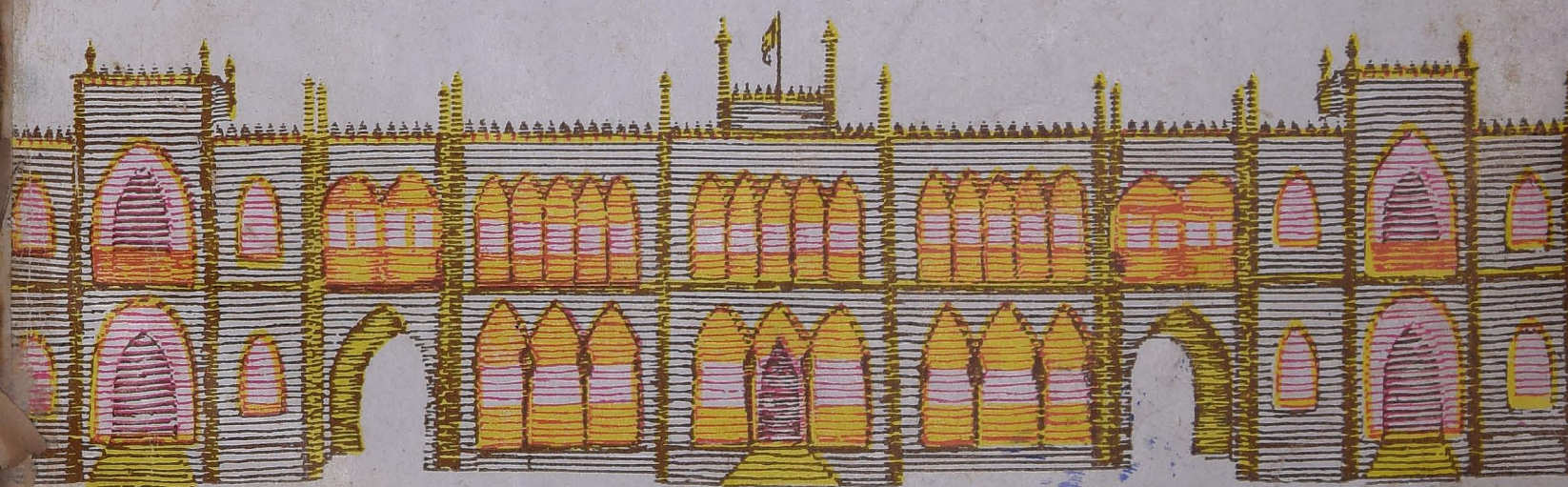


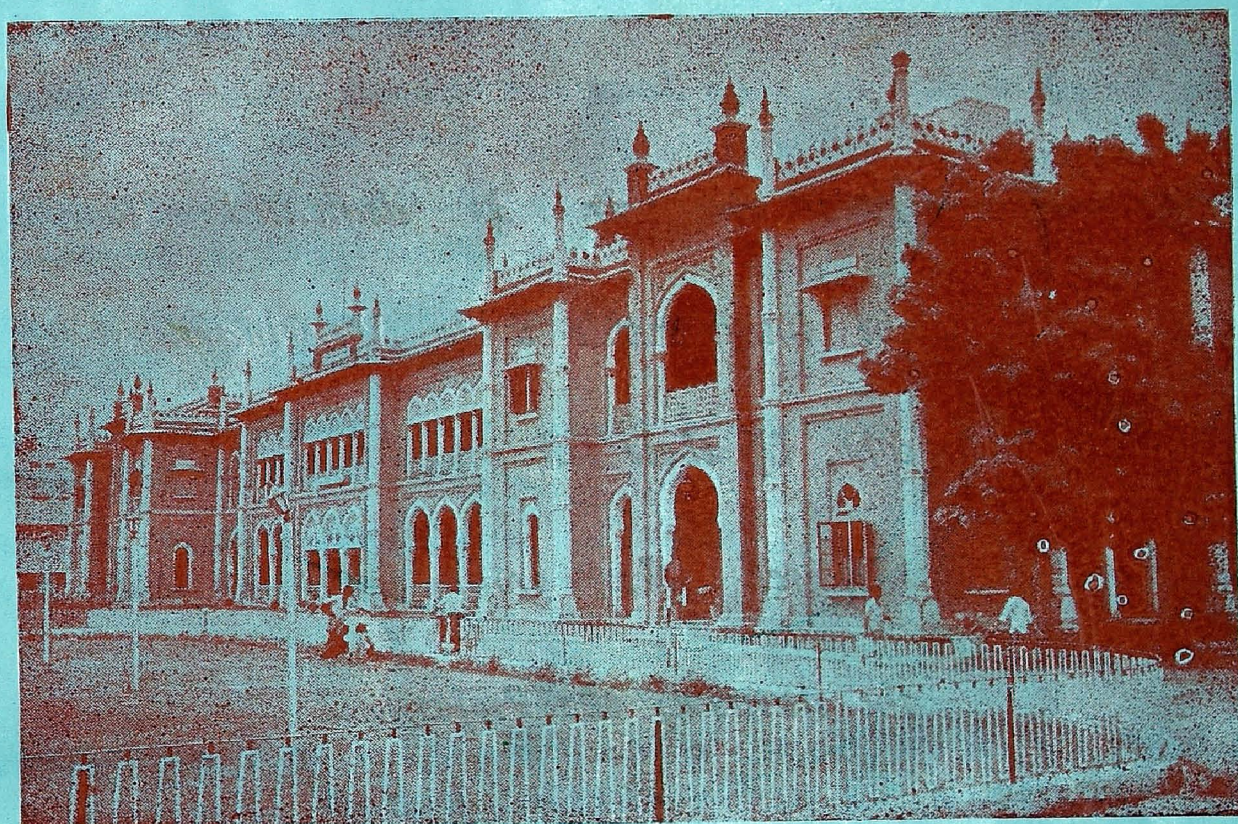
the madras veterinary college

platinum
jubilee

1903-1978



souvenir 1981



Our Alma Mater



*This Souvenir is dedicated to
the innumerable noble Veterinarians
who, by their toil and devotion have
prepared the ground for raising
the status of the Profession.*

Madras Veterinary College

PLATINUM JUBILEE CELEBRATIONS

—(o)—

13 MAY 1981

Patrons-in-Chief

His Excellency Thiru **SADIQ ALI**
Governor of Tamil Nadu

Hon'ble Thiru **M.G. RAMACHANDRAN**
Chief Minister of Tamil Nadu

Patrons

- 1) Hon'ble Thiru **K. Kalimuthu**, Minister for Agriculture,
Government of Tamil Nadu.
- 2) Hon'ble Thirumathi **Gomathi Srinivasan**, Minister for Social Welfare and Animal Husbandry,
Government of Tamil Nadu.
- 3) Hon'ble Thiru **P. Kolandaivelu**, Minister for Rural Development and Local Administration,
Government of Tamil Nadu.
- 4) Thiru **V. Karthikeyan**, I. A. S., Chief Secretary,
Government of Tamil Nadu.
- 5) Thiru **N. Hari Bhaskar**, I. A. S., Secretary for Agriculture,
Government of Tamil Nadu.
- 6) Thiru **A. Venkataraman**, I. A. S., Vice Chancellor,
Tamil Nadu Agricultural University,

Organising Committee

Chairman – Dr. **V. M. RAMASWAMY**, G.M.V.C., B.V.Sc., M.S. (Michigan)
Convenors : Dr. **N. RAGHAVAN** and Dr. **K.C. RAGHAVAN**

Sub-Committees

1. Finance :

- | | | |
|-------------------------|-----|----------|
| 1. Dr. Ayyalusamy, P. | ... | Chairman |
| 2. Dr. Venugopal, A. T. | ... | Member |
| 3. Dr. Govinda Rao, R. | ... | " |

2. Souvenir :

- | | | |
|-----------------------------|-----|----------|
| 1. Dr. Ramamurthi, R. | ... | Chairman |
| 2. Dr. Pattabiraman, S. R. | ... | Member |
| 3. Dr. Jayasundar, S. | ... | " |
| 4. Dr. Govindarajan, C. V. | ... | " |
| 5. Dr. Ramaswami, A. M. | ... | " |
| 6. Dr. Radhakrishnan, K. T. | ... | " |
| 7. Dr. Purushothaman, V. | ... | " |

3. Invitation :

- | | | |
|--------------------------|-----|----------|
| 1. Dr. Nagarajan, V. V. | ... | Chairman |
| 2. Dr. Gopalan, S. | ... | Member |
| 3. Dr. Gowri Shankar, B. | ... | " |
| 4. Dr. Jayakumar, R. | ... | " |
| 5. Dr. Gnanaprakasam, V. | ... | " |

4. Reception & Hospitality :

- | | | |
|----------------------------|-----|----------|
| 1. Dr. Venkatayan, S. | ... | Chairman |
| 2. Dr. Eswaran, B. M. | ... | Member |
| 3. Dr. Alfred Jayaprasad | ... | " |
| 4. Dr. Sundararaj, A. | ... | " |
| 5. Tmt. Vilasini, A. | ... | " |
| 6. Tmt. Devaki Theogarajan | ... | " |

5. Propoganda & Publicity :

- | | | |
|-----------------------------|-----|----------|
| 1. Dr. Shanmugasundaram, S. | ... | Chairman |
| 2. Dr. Selvaraj, K. M. | ... | Member |
| 3. Dr. Mahadevan Pillai, M. | ... | " |
| 4. Dr. Ramakrishna Rao, J. | ... | " |
| 5. Dr. Chandrasekaran, M. | ... | " |

6. Exhibition :

- | | | |
|-----------------------------|-----|----------|
| 1. Dr. Kothandaraman, P. | ... | Chairman |
| 2. All Heads of Departments | ... | Members |

7. Livestock show, Ground stalls & Gate :

1. Dr. Arumugam, M. P.		Chairman
2. Dr. Krishnamurthy, P. S.	...	Member
3. Dr. Ulaganathan, V.	...	"
4. Dr. Austin Stephens, J.	...	"
5. Dr. Dewan Muthu Mohamed M.S.	...	"
6. Dr. Mathew C. John	...	"
7. Dr. Narasimhan, K. S.	...	"
8. Dr. Padmanabhan, P. N.	...	"

8. Transport :

1. Dr. Rajendran, E. I.	...	Chairman
2. Dr. Gopalakrishnan, L. V.	...	Member
3. Dr. Balraj, C. T. A.	...	"
4. Thiru Saifudeen, E.S.A.	...	"
5. Thiru Janardhanan, A.R.	...	"

9. Field Trips :

1. Dr. Natarajan, R.	...	Chairman
2. Dr. Jayachandran, T.	...	Member
3. Dr. Thiagarajan, P.	...	"

10. Games & Sports :

1. Dr. Balaprakasam, R.A.	...	Chairman
2. Dr. John, D.	...	Member
3. Dr. Richard, M.G.	...	"
4. Thiru Sundararaj, D.	...	"

11. Scientific Session :

1. Dr. Kothandaraman, P.	...	Chairman
2. Dr. Jayaraman, M.S.	...	Member
3. Dr. Kadirvel, R.	...	"
4. Dr. Jagannathan, V.	...	"
5. Dr. Rahamathulla Khan, G.A	...	"

12. Volunteers :

1. Dr. Thangaraj, T.M.	...	Chairman
2. Dr. Quayum, S. A.	...	Member
3. Dr. Appaji Rao, V.N.	...	"
4. Dr. Subramanyam, P.	...	"
5. Dr. Venkoba Rao, K.	...	"

13. Decoration :

1. Dr. Raghavan, N.	...	Chairman
2. Dr. Godfrey David	...	Member

3. Dr. Shanmugam, A.M.	...	Member
4. Thiru Saifudeen, E.S.A.	...	"
5. Thiru Janardhanan, A.R.	...	"
6. Thiru Jayaraman, G.	...	"
7. Thiru Sundararaj, D.	...	"

14. General Stage :

1. Dr. Raghavan, K.C.	...	Chairman
2. Dr. Ramachandran, P.V.	...	Member
3. Dr. Moses, J.S.	...	"
4. Thiru Saifudeen, E.S.A.	...	"
5. Thiru Janardhanan, A.R.	...	"
6. Thiru Jayaraman, R.	...	"
7. Thiru Sundararaj, D.	...	"

15. Alumni :

1. Dr. Krishnamurthy, U.S.	...	Chairman
2. Dr. Ramakrishnan, R.	...	Member
3. Dr. Srinivasan, R.	...	"
4. Dr. Inbaraj Cyrus	...	"

16. Accommodation :

1. Dr. Mahalingam, P.	...	Chairman
2. Dr. Venkatesan, R.A.	...	Member
3. Dr. Shanmuganatham, K.	...	"

17. Catering :

1. Dr. Abdul Khader, T.G.	...	Chairman
2. Dr. Kosalaraman, V. R.	...	Member
3. Dr. Vedanayagam, K.	...	"

18. Entertainment :

1. Dr. Lalitha, C.M.	...	Chairman
2. Dr. Selvaraj, K.M.	...	Member
3. Dr. Gopal, M.S.	...	"
4. Dr. Thanappa Pillai, M.	...	"
5. Tmt. Rajalakshmi	...	"

19. Essay & Oratorical :

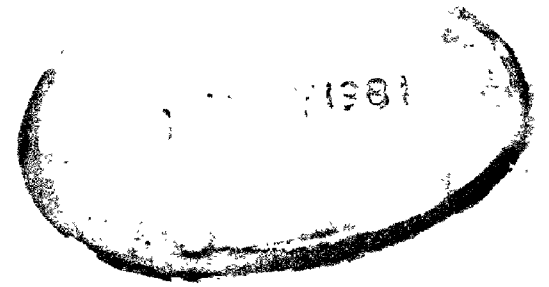
1. Professor of English	...	Chairman
2. Professor of Tamil	...	Member

20. Seating arrangement:

1. Dr. Seshadri, V.K.	...	Chairman
2. Dr. Janakiraman, D	...	Member
3. Dr. Vijayaraghavan, C.	...	"
4. Dr. Venkatakrisnan, A.	...	"
5. Dr John Edwin, M.	...	"

21. Information centre & Programme :

1. Dr. Ramakrishnan, R	...	Chairman
2. Dr. Thiagarajan, M.	...	Member
3. Dr. Nagarajan, S.	...	"
4. Dr Anandan, R.	...	"



MADRAS VETERINARY COLLEGE

PLATINUM JUBILEE SOUVENIR

1903 – 1978

Souvenir Committee

<i>Dr. R. Ramamurthi,</i>	CHAIRMAN
<i>Dr. S.R. Pattabiraman,</i>	MEMBER
<i>Dr. S. Jayasundar,</i>	„
<i>Dr. C.V. Govindarajan,</i>	„
<i>Dr. A.M. Ramaswami,</i>	„
<i>Dr. K.T. Radhakrishnan,</i>	„
<i>Dr. V. Purushothaman,</i>	„

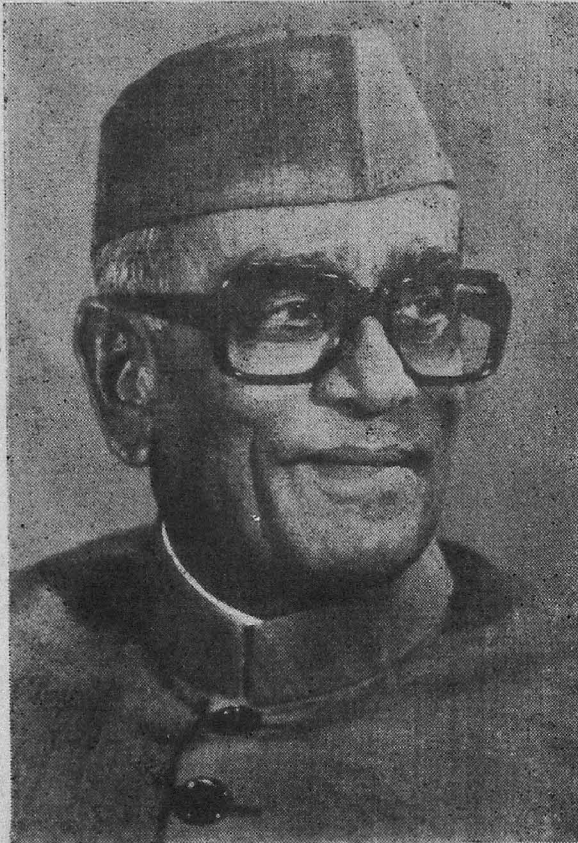
MAY 1981

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Amle



HIS EXCELLENCY
SHRI N. SANJIVA REDDY
PRESIDENT OF INDIA

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M E S S A G E S



PRESIDENT'S SECRETARIAT

RASHTRAPATI BHAVAN

NEW DELHI - 110 004

March 25, 1980.

Dear Dr. Ramaswamy,

Please refer to your letter of the 20th March, 1980. The President of India desires me to convey his best wishes on the occasion of the Platinum Jubilee celebrations of the Madras Veterinary College.

Yours Sincerely,

Sd/-

(A. M. ABDUL HAMID)



Hon'ble Shri M. HIDAYATULLAH
VICE-PRESIDENT OF INDIA



**VICE-PRESIDENT
INDIA
NEW DELHI**

March 22, 1980

It is gratifying to learn that the Madras Veterinary College, Madras, will celebrate its Platinum Jubilee next month. On this joyous occasion I offer my felicitations to the authorities, staff and students of the College and send my best wishes for the success of the celebrations.

Sd/-

(M. HIDAYATULLAH)



8/1/81



SHRIMATHI INDIRA GANDHI
PRIME MINISTER OF INDIA



PRIME MINISTER'S OFFICE
NEW DELHI - 110011.

2 April, 1980.

Dear Sir,

The Prime Minister thanks you for your letter of March 20, 1980 and sends her good wishes for the success of the Platinum Jubilee Celebrations of the Madras Veterinary College.

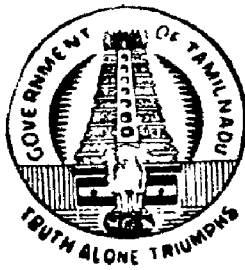
Yours faithfully,

Sd/-

(H. Y. SHARADA PRASAD)



His Excellency
THIRU. SADIQ ALI
GOVERNOR OF TAMIL NADU
AND CHANCELLOR
TAMILNADU AGRICULTURAL UNIVERSITY.



RAJ BHAVAN
MADRAS - 600 022.

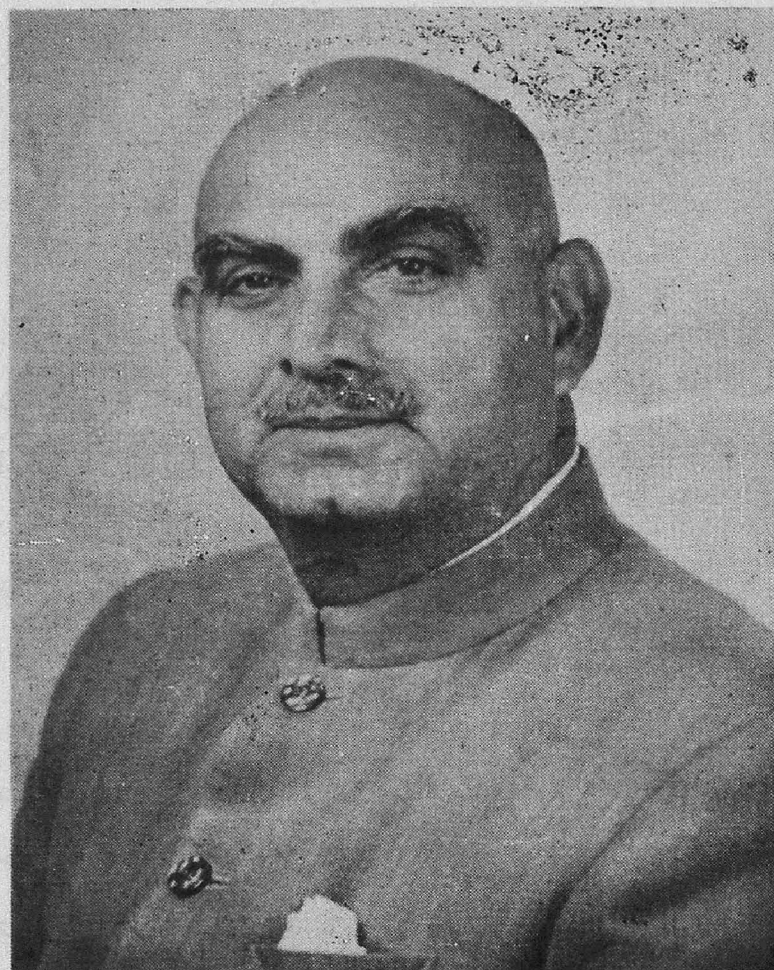
21st November, 1980.

M E S S A G E

The celebration of the Platinum Jubilee of the Madras Veterinary College marks a milestone in its history. I am glad to learn that it has built up a very good record of service. It cannot be gainsaid that in a country where agriculture is the predominant occupation of the people, preservation of our livestock wealth assures great importance. Thanks to the progress of modern medical science, diseased animals can receive effective treatment today. Further research and development in this field is an obvious necessity and should do much to promote the health of our livestock and increase its usefulness. My best wishes for the success of the Platinum Jubilee Celebrations.

Sd/-

(SADIQ ALI)
Governor of Tamil Nadu.



Hon'ble Shri RAO BIRENDRA SINGH,
MINISTER FOR AGRICULTURE
GOVERNMENT OF INDIA



MINISTER OF AGRICULTURE
GOVERNMENT OF INDIA
NEW DELHI-110 001.

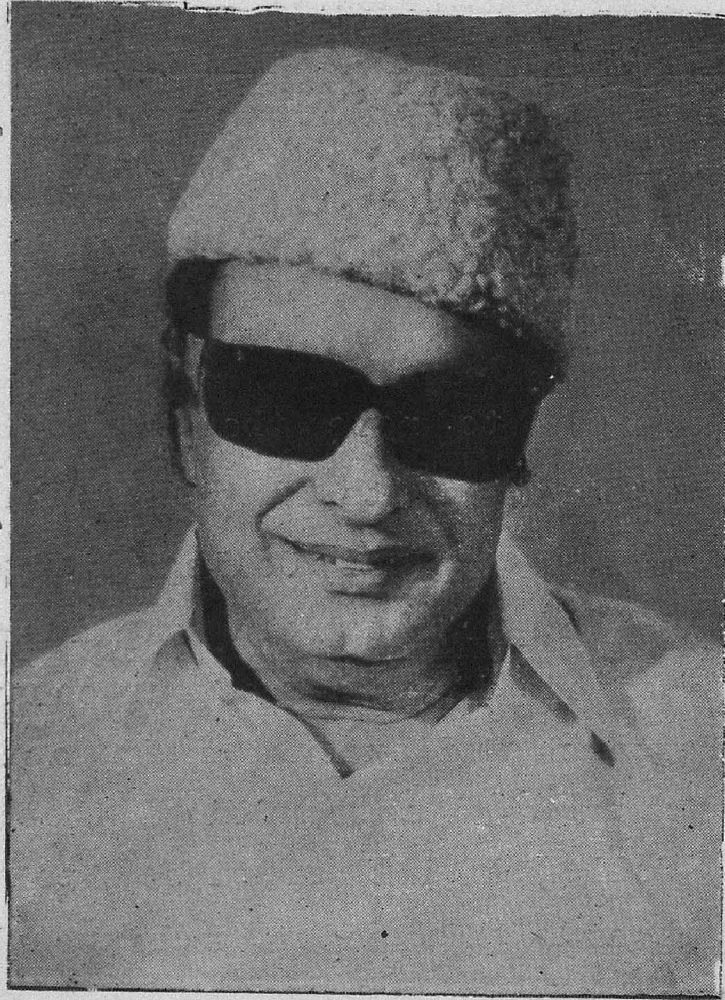
April, 1980.

MESSAGE

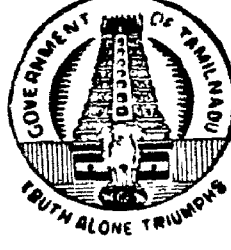
I am happy to note that Madras Veterinary College is celebrating its Platinum Jubilee during April, 1980. The Veterinary Colleges in general have played a very important role in improving the productivity of the livestock of our country through teaching, research and extension in animal health control programmes. I am confident that the Madras Veterinary College will continue to work with dedication towards this end to achieve the goal for improvement of the livestock.

I convey my best wishes on the occasion of the forthcoming Platinum Jubilee Celebrations.

Sd/—
(**RAO BIRENDRA SINGH**)



மாண்புமிகு திரு. எம். ஜி. இராமச்சந்திரன்
முதலமைச்சர், தமிழ்நாடு அரசு



எம். ஜி. இராமச்சந்திரன்,
முதலமைச்சர்.

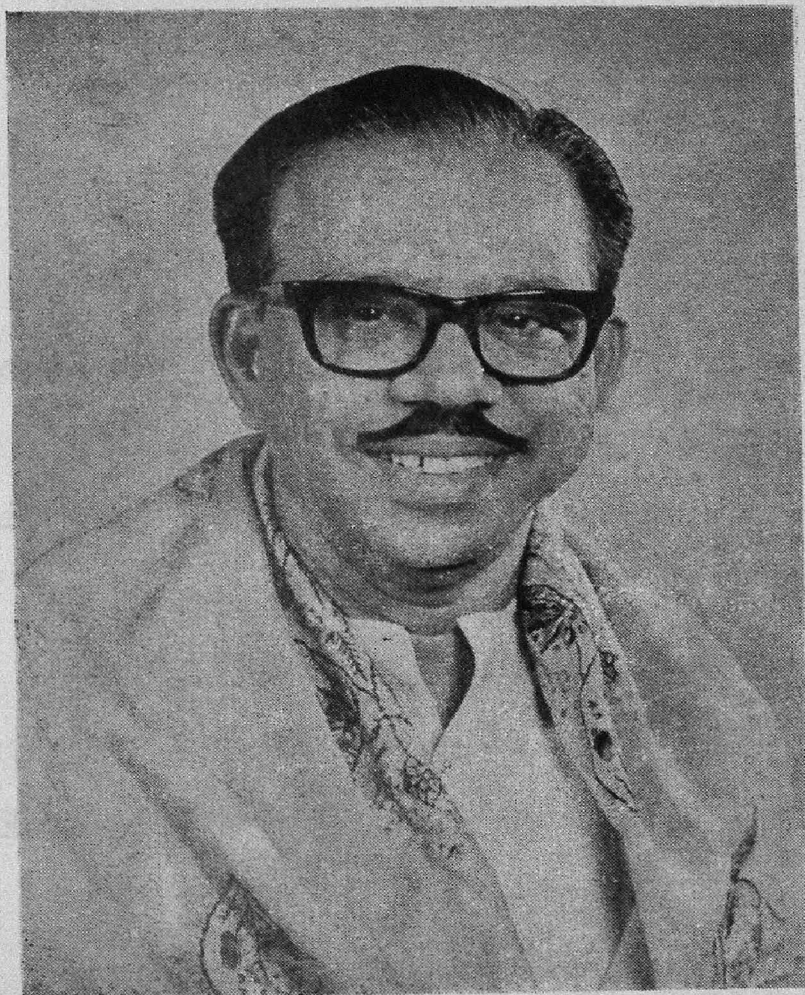
புனித ஜார்ஜ் கோட்டை,
சென்னை - 600 009.

நாள் : 3 - 1 - 1981.

சென்னை கால்நடை மருத்துவக் கல்லூரி, கற்பிப்பதிலும் ஆய்வு நடத்துவதிலும் சிறந்த பணியாற்றி எழுபத்தைந்து ஆண்டு களைப் புகழுடன் முடித்து இருப்பதறிந்து மிக்க மகிழ்ச்சியடை கிறேன். கால்நடை வளர்ச்சியிலும், அபிவிருத்தியிலும் அவைகளின் பொதுநல மேம்பாட்டிலும் முறையான ஆராய்ச்சி செய்யத்தக்க அளவிற்குச் சாதனங்களைப் பெற்று இத்துறையில் பெருமைமிக்க அறிவியல் நிபுணர்களை உருவாக்கி உள்ளமை இக்கல்லூரியின் சிறப்பை வெளிப்படுத்துகின்றது. கால்நடை மருத்துவமும், கால்நடைப் பராமரிப்பும் நமது வேளாண்மைப் பொருளாதார வளர்ச்சிக்கு இன்றியமையாதது. வேளாண்மை வளர்ச்சிக்கும் பொருளாதார மேம்பாட்டிற்கும் அடித்தளமாக அமைந்த இக் கல்லூரிமேலும் பல்வேறு சிறப்புகளை எய்திட என் வாழ்த்துகள்.

ஒப்பம்/-

(எம். ஜி. இராமச்சந்திரன்)



Hon'ble Dr. V. R. NEDUNCHEZHIAN
MINISTER FOR FINANCE
GOVERNMENT OF TAMIL NADU



Dr. V. R. NEDUNCHEZHIAN
M. A., D. Litt.

Minister for Finance,
Government of Tamil Nadu.

FORT ST. GEORGE,
MADRAS-600 009.

Dated : 18 - 11 - 1980.

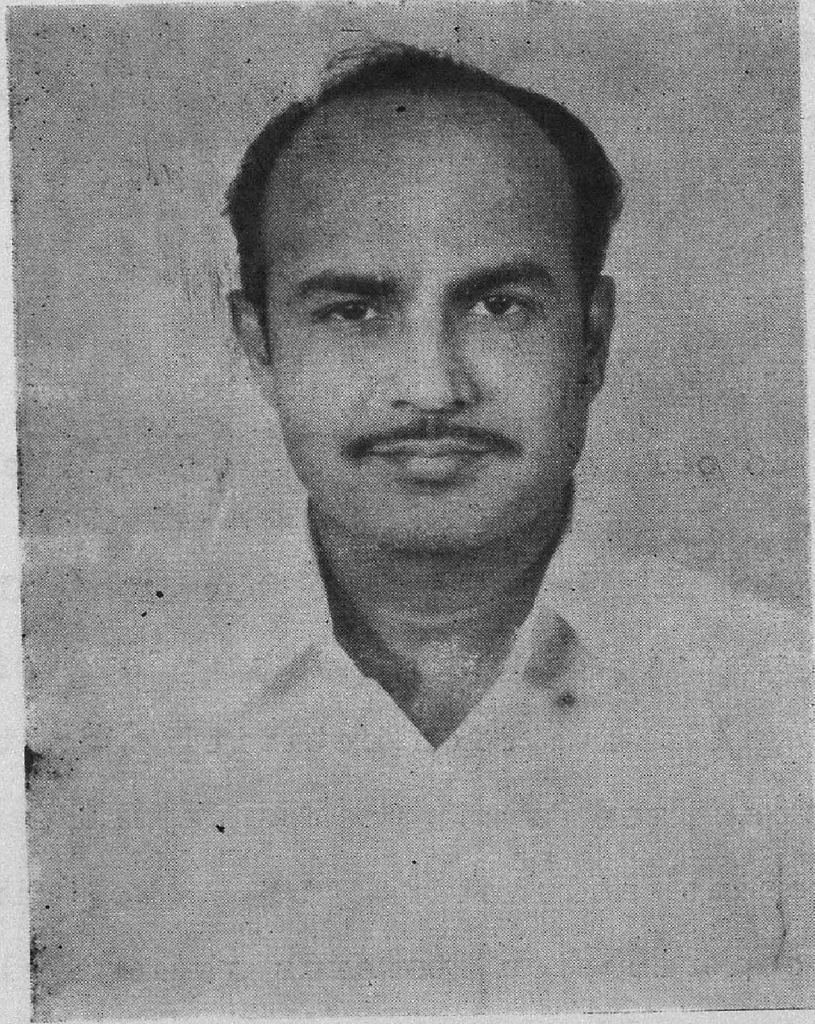
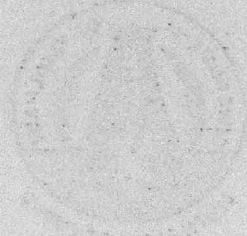
I am pleased to hear that the Madras Veterinary College is to celebrate its Platinum Jubilee shortly.

It is heartening to note that this College has succeeded in maintaining high standard of teaching and carrying out research activities in the service of livestock and the farming community. I congratulate the management and staff of the institution for their contribution towards the development of Veterinary Science and Animal Husbandry during the past seventy five years and hope that the College will continue to strive hard to maintain the high standard achieved in the past.

I wish success for your endeavours in this field and send my good wishes to you all.

Sd/-

(V. R. NEDUNCHEZHIAN)



மாண்புமிகு திரு. கா. காளிமுத்து
வேளாண்மை அமைச்சர் மற்றும்
இணைவேந்தர் - தமிழ்நாடு வேளாண்மைப்
பல்கலைக் கழகம்
தமிழ்நாடு அரசு



கா. காளிமுத்து,
வேளாண்மைத் துறை அமைச்சர்.

தலைமைச் செயலகம்,
சென்னை - 600 009.

தேதி : 27 - 2 - 81.

வாழ்த்துச் செய்தி

சென்னை கால்நடை மருத்துவக் கல்லூரியின் 'பிளாட்டினம்' விழா நடைபெறவிருப்பது அறிந்து அளவற்ற மகிழ்ச்சி அடைகிறேன்.

கால்நடைகளை உழவர் பெருமக்கள் தங்களுடைய செல்வமாகவே கருதிவருகின்றனர். ஆனால், வாழ்விலும் தாழ்விலும் கூடவே இருந்து உதவும் கால்நடைகளைப் போதிய கவனம் செலுத்திப் பராமரிப்பதில்லை என்பது உலகறிந்த உண்மை. வாய் இல்லாத பிராணிகளின் நலன் காக்க சென்னை கால்நடை மருத்துவக் கல்லூரி கடந்த 75 ஆண்டுகளாக அரும்பணியாற்றி இந்தியாவிலேயே ஒரு சிறந்த கால்நடை மருத்துவக் கல்லூரியாகத் திகழ்ந்து தமிழகத்திற்குப் பெருமை தேடிக் கொடுத்துக் கொண்டிருக்கிறது.

பேரறிஞர் அண்ணா அவர்கள் ஒருமுறை கூறுகையில், 'எனக்கு இன்ன நோய் உள்ளது என்று கூற முடியாத நிலையில் உள்ள கால்நடைகளுக்கு மருத்துவம் செய்வது புனிதமான பணி' என்று குறிப்பிட்டார். அந்தப் புனிதப் பணிகளைச் செய்வதற்கு உரிய சிறந்த கால்நடை மருத்துவர்களை உருவாக்கும் கலைக் கூடமாகத் திகழும் சென்னை கால்நடை மருத்துவக் கல்லூரி, அனைத்துலகிலும் புகழ் பெற்ற ஒரு அரிய கல்லூரியாகத் திகழ தமிழ்நாடு வேளாண்மைப் பல்கலைக் கழகம் ஆவன செய்ய வேண்டும் என்று விரும்புகிறேன்.

'பிளாட்டினம்' விழா சீரோடும் சிறப்போடும் நடைபெறவும், விழாமலர் வண்ண நறுமண மலராக மலரவும் வாழ்த்துகிறேன்.

ஒப்பம்/-

(கா காளிமுத்து)



மாண்புமிகு திரு. ப. குழந்தைவேலு
ஊரக மேம்பாடு மற்றும் தல நிர்வாக அமைச்சர்
தமிழ்நாடு அரசு



ப. குழந்தைவேலு, பி.ஏ., பி.எல்.
உள்ளாட்சித் துறை அமைச்சர்.

தலைமைச் செயலகம்,
சென்னை - 600 009.

நாள் : 3 - 3 - 81.

வாழ்த்துச் செய்தி

வேளாண்மை வளர்ச்சியும் கால்நடைகளின் மேம்பாடும் ஒன்றை யொன்று சார்ந்திருப்பவை. எனவே, கால்நடை வளர்ச்சியில் தனிக் கவனம் தேவை என்பதைக் கூறவேண்டியதில்லை

அன்றை தமிழகத்தின் 'ஆநிரை கவர்ந்தல்', கால்நடை பாது காப்பையும், 'மாட்டுப் பொங்கல்', கால்நடையின் மேம்பாட்டையும் குறிக்கின்றன. மேலும் வள்ளுவனின் 'மாடல்ல மற்றயவை' என்ற சொற்கள் கால்நடையின் சிறப்பை, செல்வ நிலையைக் கோட்டுக் காட்டுகின்றன.

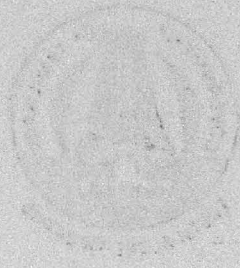
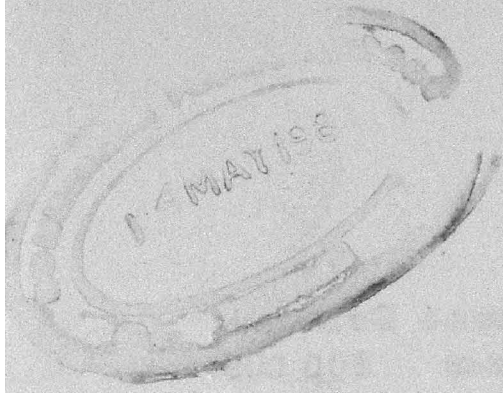
இன்றைய தமிழகத்தைப் பொறுத்தவரையில், புரட்சித் தலைவர் தலைமையில் அமைந்த அரசு, கால்நடைகளின் வளர்ச்சியிலும் மேம் பாட்டிலும் மிக அக்கறை கொண்டு செயலாற்றி வருகிறது என்பதற்கு, ஆராய்ச்சி கூடமும், மருத்துவமனையும் கொண்ட கால்நடை மருத்துவக் கல்லூரி ஓர் எடுத்துக்காட்டு. கால்நடை மருத்துவக் கல்லூரி மாண வர்கள் இந்நாடு முழுவதும் கல்விச் சுற்றுலா சென்று பிற மாநிலங் களில் கால்நடை வளர்ப்பு பற்றிய செய்திகளை அறிந்து தம் ஆற்றலை இங்கே காட்டுவதற்கும் - கால்நடை மருத்துவர் பேரவை அமைப்பதற்கும் அரசு அனுமதி அளித்துள்ள செய்தி, மற்றொரு எடுத்துக்காட்டு.

எழுபத்தைந்தாம் ஆண்டு விழாவை கொண்டாடும் கால்நடை மருத்துவக் கல்லூரிக்கு என் வாழ்த்துக்கள் !

அன்பன்,

ஒப்பம்/-

(ப. குழந்தைவேலு)



மாண்புமிகு திருமதி
கோமதி சீனிவாசன்
கால்நடை பராமரிப்புத் துறை அமைச்சர்
தமிழ்நாடு அரசு



திருமதி கோமதி சீனிவாசன்
பி. ஏ. பி. எட்.
கால்நடை பராமரிப்புத்துறை அமைச்சர்

தலைமைச் செயலகம்,
சென்னை - 600 009.

நாள் : 30 - 7 - 1980

வாழ்த்துச் செய்தி

தமிழகத்தில் மட்டுமின்றி இந்தியாவிலேயே தனிச் சிறப்புப் பெற்றுத் திகழும் சென்னை கால்நடை மருத்துவக் கல்லூரி 75 ஆண்டுகளாகப் பணியாற்றியுள்ளது அறிந்து பெருமகிழ்ச்சி அடைகிறேன்.

கால்நடை பராமரிப்பு, கால்நடை மருத்துவம் ஆகியன நவீன முறைப்படுத்தப்பட்டு மேலும் நாம் வளர்ச்சி காண இருக்கிறோம். இத்துறையில் நாம் மேலும் வளர்ச்சிபெற்று நமது கல்லூரி எல்லா வகையானும் உயர்ந்திட என் வாழ்த்துக்களைத் தெரிவித்துக் கொள்கிறேன்.

ஒப்பம்/-

(திருமதி. கோமதி சீனிவாசன்)



Dr. M. S. SWAMINATHAN
MEMBER
PLANNING COMMISSION
GOVERNMENT OF INDIA



GOVERNMENT OF INDIA
MINISTRY OF AGRICULTURE & IRRIGATION
(DEPARTMENTS OF AGRICULTURE & CO-OPERATION)
KRISHI BHAVAN, NEW DELHI-110 001.

March 27, 1980

MESSAGE

The Madras Veterinary College can be proud of its distinguished record of service during the past 75 years. The alumni of this College have made great contributions to animal health care and improvement in our country. It is now widely recognised that only through the integration of animal husbandry programmes with crop husbandry that we can improve the economic well-being of the rural poor. For this purpose, integrated attention to genetic upgrading, health care, nutrition, processing and marketing will have to be promoted. This will be possible only by having a large number of well trained Veterinary scholars and scientists. Therefore, in the years to come, the Madras Veterinary College, which has now become an important constituent of the Tamil Nadu Agricultural University, will have to play an even greater role in rural transformation. The past accomplishments and prestige should spur the staff and students of the College to greater action in the coming years. I wish the College continued success in its mission.

Sd/-
(M. S. SWAMINATHAN)



THIRU. V, KARTHIKEYAN, I. A. S.
CHIEF SECRETARY
GOVERNMENT OF TAMIL NADU.



V. KARTHIKEYAN, I. A. S.
CHIEF SECRETARY
Government of Tamil Nadu.

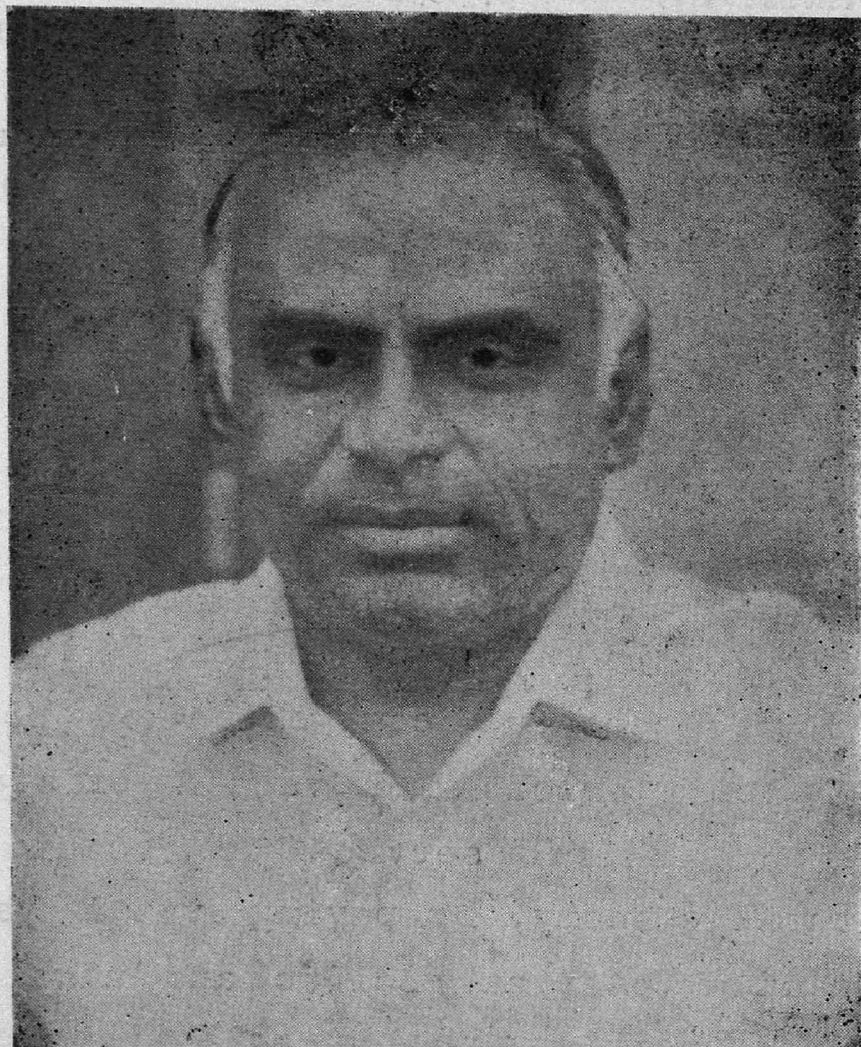
Fort St. George,
MADRAS-600 009.

April 1, 1980.

MESSAGE

I have great pleasure to note that the Madras Veterinary College is celebrating its Platinum Jubilee on successful completion of seventy-five years of its glorious and valued existence. The Institution, which serves the cause of the Agricultural economy, by paving vital path to the Development of Veterinary Science and Animal Husbandry, has been responsible to produce scientists of eminence, who shoulder responsible posts in our country. I am sure that the Madras Veterinary College will continue to share its responsibility in producing research scholars and rendering improved services to the livestock.

Sd/-
(V. KARTHIKEYAN)



THIRU. A. VENKATARAMAN, I.A.S.
VICE CHANCELLOR
TAMILNADU AGRICULTURAL UNIVERSITY



OFFICE OF THE VICE CHANCELLOR
TAMILNADU AGRICULTURAL UNIVERSITY
COIMBATORE.

Date : 16 - 3 - 1981.

On the happy occasion of the Platinum Jubilee celebration of the Madras Veterinary College, I extend my greetings and good wishes for the growth and welfare of this great institution.

The Madras Veterinary College is known throughout the world for its valuable contributions in the field of Veterinary Education and Research. Illustrious alumni of this premier institution occupy key scientific positions in our State and in many parts of the world too. Under a fast changing rural scenario, the people of Tamil Nadu presently aspire for better and higher standards of living and look to the Madras Veterinary College to provide the necessary scientific technology and trained man-power for utilising the available natural resources to their best advantage. Agriculture and Animal Husbandry-the two dependable handmaids of the farmer - need to be organised as an integrated single entity so that the available land and water are put to maximum productive use by a judicious recycling and complementary uses of resources, and the needs and aspirations of the growing population fulfilled. Research on better breeds of livestock and poultry, cheaper but efficient and healthy feeds, sound management, timely protection and health cover for animals and birds, scientific processing and marketing of animal products will have to be intensified and new technologies made available to the farming community. Excellent scientific personnel endowed with a zeal to work for the betterment of humanity through scientific pursuits will have to be made available by organising and offering a large number of purposeful academic programmes. I am confident that the Madras Veterinary College with its dedicated band of research and academic staff will keep in sharp focus these needs of our society, and continue to contribute significantly for the rapid economic development of our people.

Sd/-
(A. VENKATARAMAN)



Dr. V. M. Ramaswamy
DEAN, Madras Veterinary College
Chairman, Platinum Jubilee Celebrations Committee.

**REPORT OF THE DEAN
MADRAS VETERINARY COLLEGE**

THE REPORT OF THE DEAN ON THE OCCASION OF THE INAUGURATION OF THE PLATINUM JUBILEE CELEBRATIONS OF THE MADRAS VETERINARY COLLEGE

HISTORY :

The Madras Veterinary College started functioning from 1-10-1903 with 20 students on the rolls in the rented building known as "Dobbin Hall" situated about 175 yards from the Society for the Prevention of Cruelty to Animals, on a monthly rent of Rs. 80/-. Major W. D. Gunn, M.R.C.V.S. who was then Superintendent, Civil Veterinary Department, Madras was appointed as a part-time Principal. Initially the Veterinary Course was spread over a period of 3 years and the diploma awarded was styled G.M.V.C. Though the Madras Veterinary College was the fourth Veterinary Institution to be started in India, it was the first Veterinary College to get itself affiliated to a University. The University of Madras recognised this Institution as a constituent College in 1935 to impart instruction for the degree of Bachelor of Veterinary Science (B.V.Sc.) of 3 years and one term duration from the beginning of the academic year 1936-37. In 1938, the duration of the diploma course was extended to 4 years, and the duration of Bachelor of Veterinary Science degree course was extended to 5 years (1938-39). Later in 1946-47, according to the recommendations of the Veterinary Education Committee of the Indian Council of Agricultural Research, the degree course was remodelled into one of 4 years and one term. The diploma course was abolished in 1946. The subjects taught cover all aspects of Veterinary and Animal Husbandry, starting from basic sciences in the first year. The students are given intensive farm training in summer vacation for a period of 6 weeks every year. The 1979 batch of I.B.V.Sc. students have been admitted with a curriculum which includes an internship programme of 6 months duration.

The College commenced a Compounders' Course in 1916 and a Stockman course was introduced in 1939. It had also for sometime a Veterinary Stockman Compounders' Course. A 2 year Livestock Inspectors' Course was started in 1948-49. It has since been abolished. A course on Flaying was started in 1953 which is not in operation now.

On the recommendations of the Indo-American team on Agricultural Research and Education, this College was upgraded as a "Southern Regional Centre of Post-Graduate Education and Research" in the year 1958. The Master of Veterinary Science (M.V.Sc.) degree programme in various Departments was a phased one and by 1962 sixteen Departments had started the courses.

The great enthusiasm of the workers in their field and the recognition and strong support given by the Government led to the creation of a separate "Directorate of Veterinary Education and Research" in the year 1969 and this again was a unique feature in the field of Veterinary Education in India.

Since 1974, the College stands affiliated to Tamil Nadu Agricultural University. Since December 1976, the College is a constituent unit of the Tamil Nadu Agricultural University.

EDUCATION :

Under Graduate Programme :

Currently the B.V.Sc. degree is a 5 year and one term course after one year of Pre-University Study. Over the years new subjects were added to equip the students with more knowledge in order to help the farming community. The course is rather of an arduous nature with students working about 8 hours a day, all 11 months in an academic year without holidays. The curricula and syllabi are of International standard following closely the recommendations of FAO/WHO team on Veterinary Education. Equal importance is given to animal health and production and to make the Veterinarian a well trained person to tackle both aspects. Another unique feature is the introduction of internal evaluation system as early of 1958 which has paid good dividends for the student community. The College draws its student population not only from various States in India but also from other countries like Sri Lanka, Burma, Malaysia, Iraq, Phillipines and the African Countries. In all 4842 graduates have obtained degrees from this College since

its inception. From 1977-78 the Trimester system has been introduced at B.V.Sc. level. At present there are 21 Departments handling undergraduate classes in the Institution.

Post-graduate Programme :

All the Departments in the College are running M.V.Sc. degree courses extending over a period of 2 years with course work and a dissertation exercise. This is offered in 16 subjects at present. So far, 576 students have acquired the Master's degree from this Institution. This includes students who registered for the degree from other States as well. The Trimester system of education has been introduced at M.V.Sc. level from 1977-78.

Facilities for taking the Doctorate degree in 9 subjects have been introduced over the years and 19 students have taken their Ph.D. in this College. Currently the Trimester system of education has been introduced for the Doctorate Programme also.

Dr. M. N. Menon, the retired Animal Husbandry Commissioner to the Government of India and an alumnus of this College was the first F.R.C.V.S. awardee in India. Three of the alumni of this College have been the recipients of the Jawaharlal Nehru Award for outstanding Ph.D. Thesis in Veterinary Microbiology.

Training Programme :

1. This College conducted courses for the award of the Diploma in Veterinary Parasitology of 9 months duration.
2. Inservice training in Instruments Methodology and in Applied Statistics were also conducted in the College for the benefit of staff members and Post-graduates.
3. A Flaying course was conducted to train butchers and Veterinarians in Scientific Flaying and Carcass utilisation.

Further training programmes in the College include :

1. Refresher Course for the Veterinarians of the Animal Husbandry Department.
2. Laboratory Technician course of 1 year duration after pre-university, and also a 6 months part time training for senior attenders.

3. Farmers Training Course for the Farming Community in 3 Centres-Hosur, Orathanad and Kattupakkam.
4. Courses in Veterinary Public Health for B.S.Sc, students and special lectures for the medical students and Public Health staff are important and note-worthy.
5. Training in Poultry Farming for employed and unemployed personnel in and around Madras City.
6. Training Courses in Hygienic Meat Production and Meat Quality Control for Marketing Officers.
7. Training in frozen semen utilisation.

Recently 2 new Departments have been started - Department of Disease Investigation and Control and Department of Clinics to provide better health cover to livestock at large. In addition a separate Disease Investigation Centre for Poultry has been started at Namakkal, Salem District, keeping in view the large number of poultry farmers and breeders in that area so that the people could derive the maximum benefit.

To keep pace with the intensive dairy development projects implemented in India, on the Education, Research and Training side, a modern Dairy Technology building with modern facilities has been put up so that suitable personnel could be made available from this Institution for employment in the dairy projects.

EXTENSION ACTIVITIES

The Department of Extension has been helping the farmers by conducting "Farm School on All India Radio" and also through correspondence courses, Animal Husbandry and Veterinary subjects of interest and benefit to farmers are being conducted. "Cheiron" a Scientific Journal was started in October '72 as a half yearly issue. It later became a bimonthly journal from June, 79. This journal is printed in the College Communication Centre. It has a wide International circulation and has been recognised as a standard professional journal. Farm Advisory services to the extension farmers in and around Madras City and the State are offered to solve problems connected with disease control, management etc. as and when they are requested through direct contact or by post, thereby giving direct benefit to the farmer fulfilling the objectives of "Laboratory to land programme".

During this year 3 Regional Veterinary Centres have been started in Trichy, Dharmapuri and Madurai. These centres are multi-disciplinary in character intended to help the farmers to overcome their Animal Husbandry and Veterinary problems. Three more Poultry Investigation Centres similar to the one at Namakkal have been started.

Research and achievements :

This Institution has been keeping pace with the advancement in Science. To enable the staff and post-graduate students to undertake advance research projects, sophisticated equipments and facilities like Electron Microscope, automatic amino acid analyser and Isotope and Trace mineral laboratory have been installed and put to use.

The jurisdiction of this College extends throughout the State. Besides the Poultry Research Station at Nandanam, the Livestock Research Station at Kattupakkam (Chingleput), the Sheep Breeding Research Station at Ootacamund, the Sheep Research Scheme at Mecheri tract and training centres in Thanjavur and Dharmapuri Districts, the staff are actively engaged in solving the problems of farmers all over the States.

Starting from 1903, the College has made steady progress in education and research activities. The Research workers of this College have contributed many significant and noteworthy research findings in the field of Veterinary Science. This trend has been continued and in recent years many new innovations, breeds and scheme have been implemented for the benefit of the farming community. A few note-worthy innovations are:

- (a) "Herd Accreditation" for freedom from TB.
- (b) "Herd Certification" for freedom from Brucellosis.
- (c) "Hatchery Sanitation Certification" for economy in poultry production.
- (d) 'Dairy Herd Registry' to keep track and exploit superior germ plasm.
- (e) Field Progeny Testing programme.

Outstanding Research Work :

1. Elucidation of the life cycle of *Schistosoma nasale* and evolving an effective line of treatment.
2. Identification of Rhino-sporidiosis in cattle and artificial culturing the fungus in the laboratory.
3. Culturing of *Trypanasoma evansi* in chick embryos and day old chicks.
4. Outlining the life cycle of *Oesophagostomum radiatum* in cattle.
5. Recording the occurrence of *Schistosoma suis*.
6. Identifying the incidence of *Schistosoma nairi* and *Indofilaria patabhiramani* in elephants.
7. Identification of casual organism and production of a vaccine against Bovine Lymphangitis.
8. Identification of the casual organism of contagious caprine pleuro pneumonia.
9. Evolution of a vaccine for Ranikhet disease.
10. Adaptation of sheep pox virus in Thyroid cell culture.
11. Evolution of tissue culture adapted fowl pox vaccine - a single vaccine replacing the double vaccine.
12. Reporting of Braxy in sheep.
13. Electron microscopic work on Canine Distemper virus.
14. Antemortem diagnosis of rabies by cornea test in man and animals.
15. Identifying bandicoots as carriers of rabies virus.
16. Identification of the human strain of Tuberculosis bacillus causing infection in bovines
17. Identification of infectious canine hepatitis (Rhubarth's Disease) in India.
18. Identification of inclusion body hepatitis in fowls.
19. Identification of neoplasms of the upper respiratory tract in bovines.
20. Anatomy of the foetal Indian elephant.
21. Anatomical deviations in domestic animals.

22. Studies on rumen metabolism.
23. Studies on the haematology of the domestic fowl.
24. Studies on Serum alkaline phosphatase enzyme.
25. Identification of species meats in cases of adulteration
26. Popularisation of pork and pork product consumption.
27. Studies on rabbit meat production.
28. Evolving a pure line of WLH breed suitable for our agro-climatic conditions.
29. Specifying 10% Nivaquine as an effective drug for treatment of theileriasis in cattle.
30. Transthoracic oesophagotomy in dogs for spirocercosis.

Hostel accommodation :

During the early days the hostel was within the campus over the Dobbin Hall. Later a new hostel building consisting of 2 blocks. was constructed near the College. Later a vast area belonging to the Defence Department which was lying vacant behind the existing hostel was acquired and a big block for hostel accommodation was constructed. In later years a new P.G. block was added. Accommodation for Warden and two Deputy Wardens have also been constructed simultaneously. Currently two blocks called teachers hostel and 12 staff quarters have been constructed and completed. In all the hostel accommodation has been increased to comfortably house 530 students. More facilities for the students like reading

room with journals and periodicals and facilities for indoor and outdoor games have been provided over the years of growth of the college and hostel.

Library :

For making available reference material and for providing the latest literature for the the staff and students of this college a very well equipped Library, accommodated in a spacious floor in the clinical block is functioning.

Extracurricular activities :

In the field of games and sports, many of the students have shown exemplary talents. Many trophies and laurels were won over the years and many of our students have represented the University and State Associations in games and sports bringing credit to the Institution. All encouragement is given to promote this aspect among the student population.

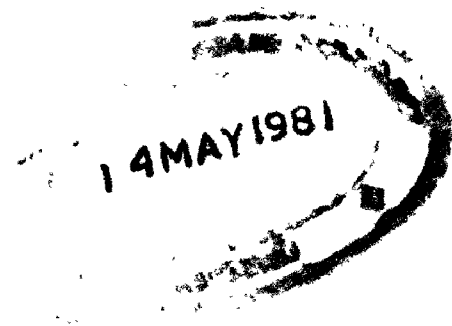
The graduates of this Institution are equipped to serve the cause of the nation through Veterinary and Animal Husbandry service. Its alumni are spread throughout the globe.

The Madras Veterinary College completed 50 years of noble service in 1953 and its Golden Jubilee was celebrated with great enthusiasm and splendour under the immediate presence of Shri Jawaharlal Nehru, the then Prime Minister of India.

This Institution which bears a historic background is now celebrating its Platinum Jubilee in a fitting manner.

Dr. V. M. RAMASWAMY

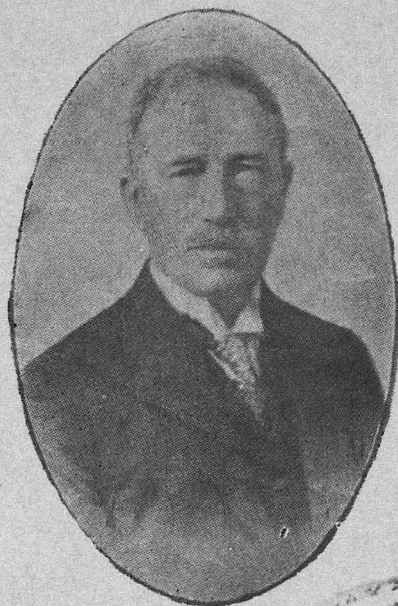
DEAN



PAST PRINCIPALS AND DEANS



W. D. Gunn
1903—1909



D. A. D. Aitchison
1909—1925



F. Ware
1919—1927



P. T. Saunders
1925—1928



T. J. Hurley
1926—1939



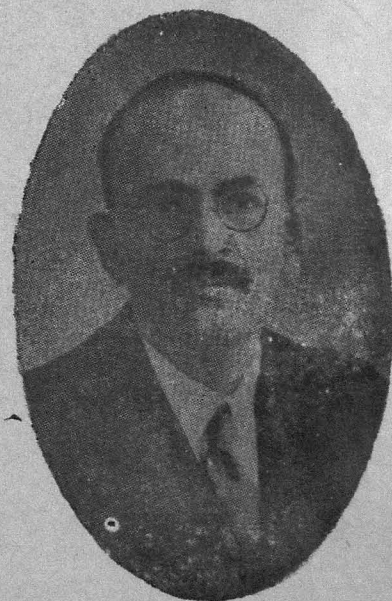
V. Krishnamurthi Iyer
1929—1933



M. R. V. Panikkar
1935—1941



K. Kailasam Iyar
1935—1937



M. Anant Narayan Rao
1939—1941



H. N. Chelva Iyengar
1941



K. S. Naik
1941—1947



R. Swaminathan
1945—1946



G. R. Viswanathan
1947—48



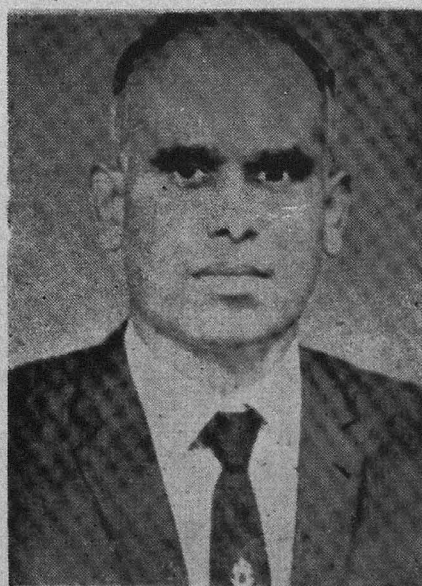
S. V. Mudaliar
1948—50



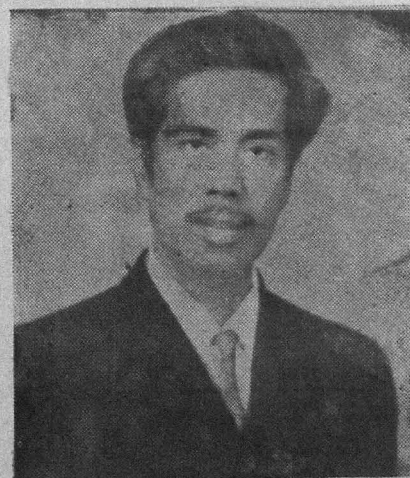
I. M. Azizuddin
1950—1954



Bertie A. D'Souza
1954—1970



V. Rathnasabapathy
1970—1977

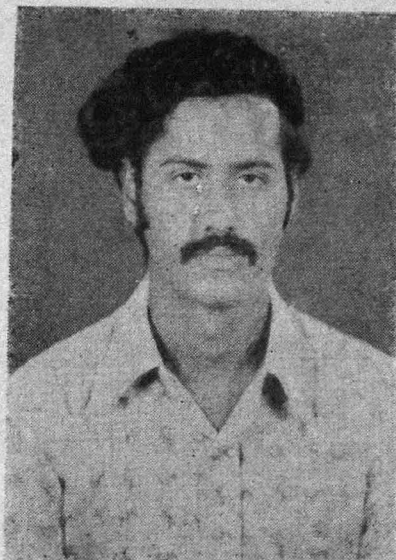


V. Venkatasamy
1977—1978

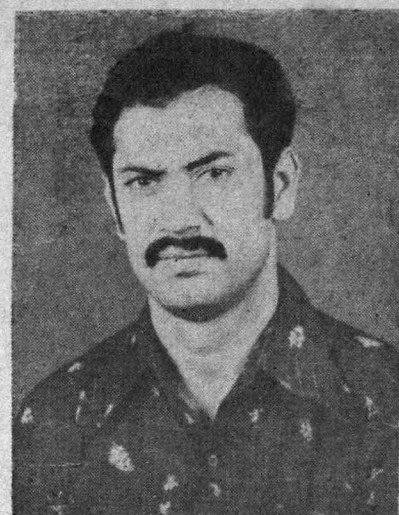
STAFF MEMBERS (AS on 25th January 1980)
STUDENTS
SUPPORTING STAFF
OF THE COLLEGE



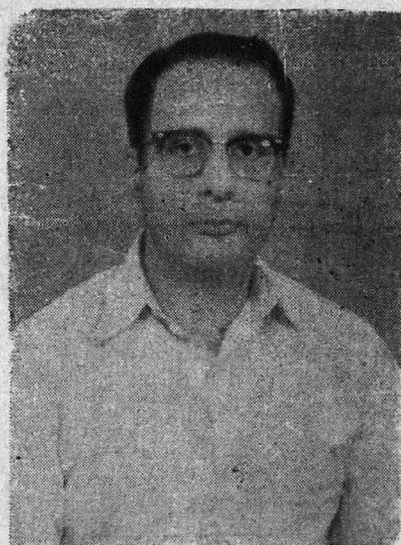
Dr. A Rajagopalan
Associate Professor
Agronomy-



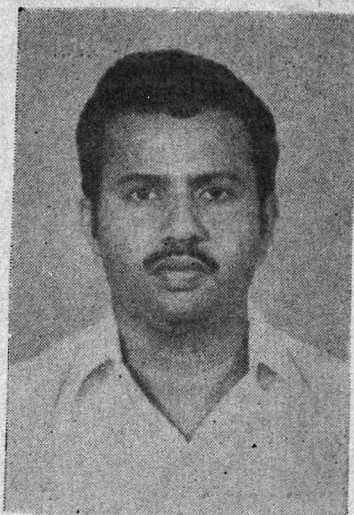
R. Balasubramaniam
Research Associate-Agronomy



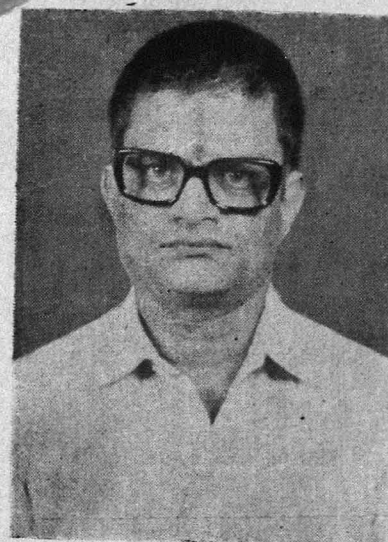
S. Jayaraman
Research Associate-Agronomy



Dr. V K Seshadri
Profeseor-Anatomy



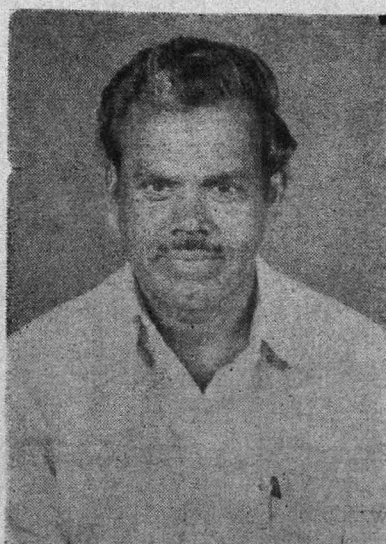
Dr. K. Vijayaraghavan
Associate Professor-Anatomy



Dr. A Venkatakrishnan
Asst. Professor-Anatomy



Dr. M Chandran
Asst. Professor - Anatomy.



Dr. P Mahalingam
Professor
Disease Investigation



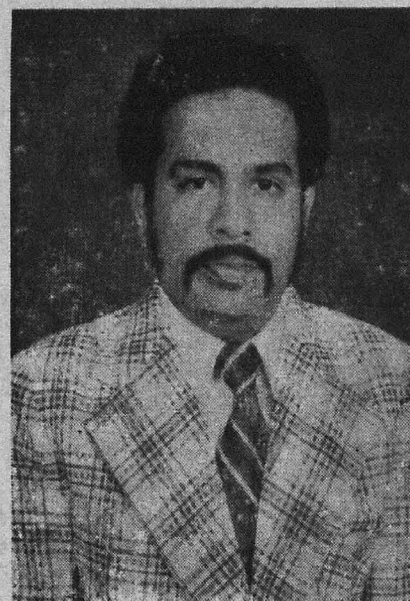
Dr. R A Venkatesan
Associate professor
Disease Investigation.



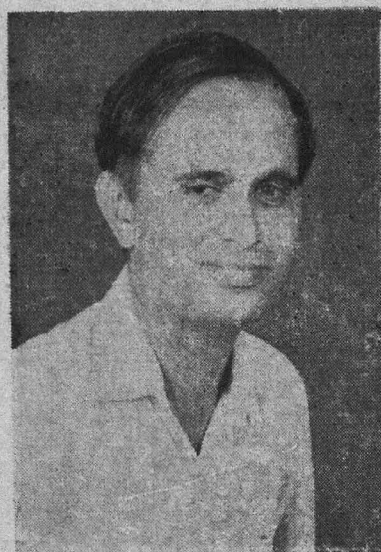
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Associate professor
Disease Investigation



Dr. V S Gajapathi
Asst. professor
Disease Investigation



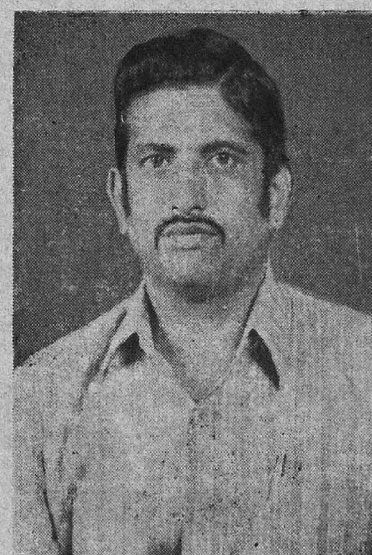
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Professor-Hygiene



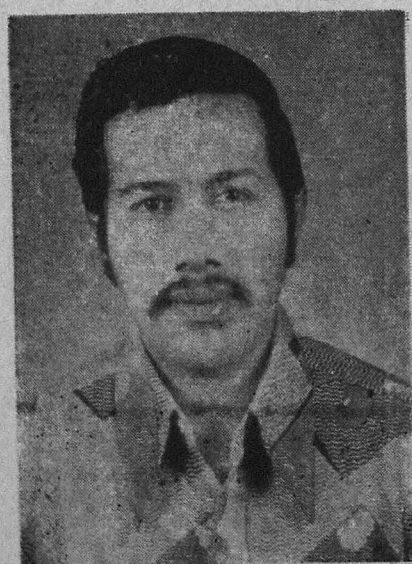
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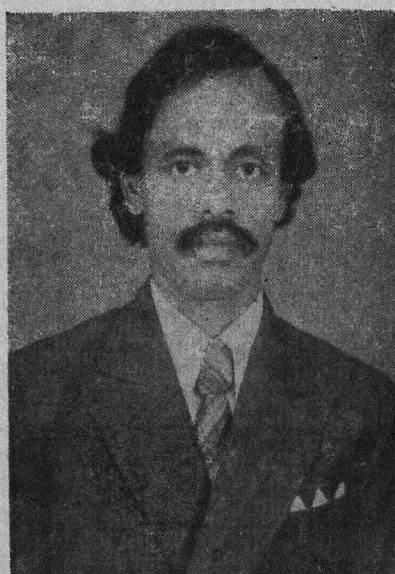
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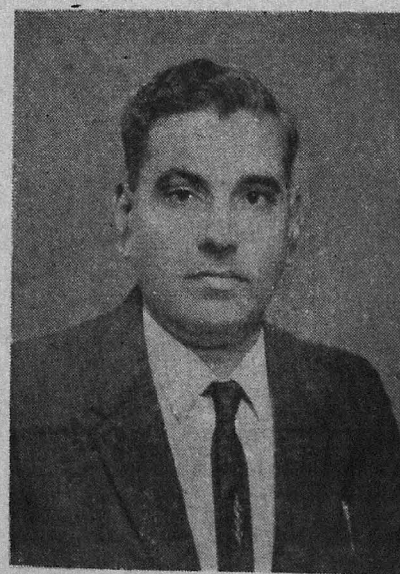
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Dr. R Prabakaran
Asst. Professor-Hygiene



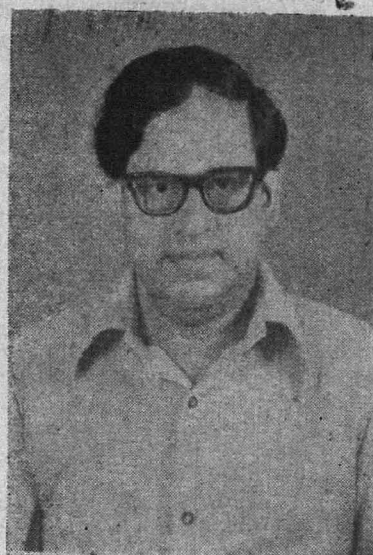
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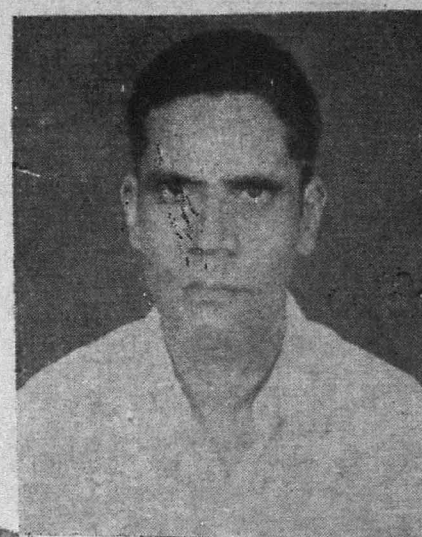
Dr. U S Krishnamurthy
Professor-Genetics



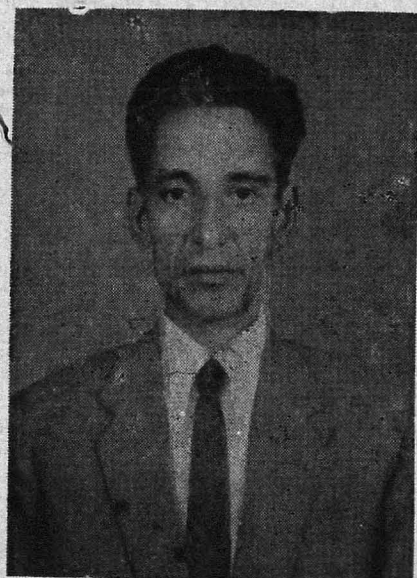
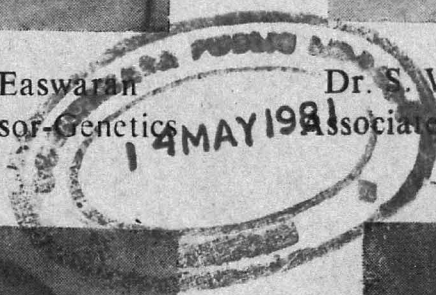
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Associate professor-Genetics



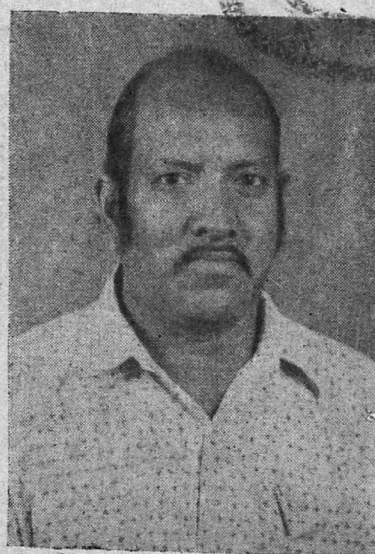
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Dr. S. Venkatasubramanian
Associate Professor-Genetics



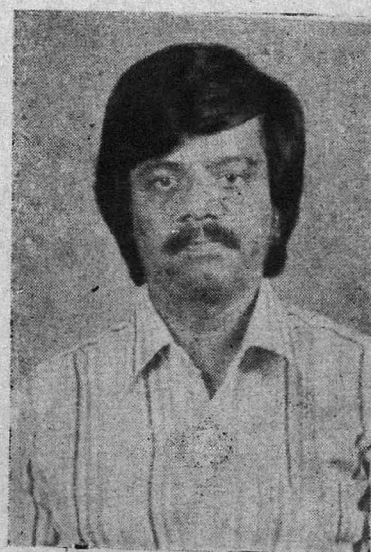
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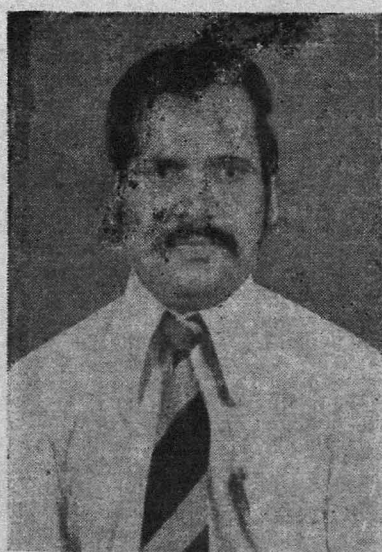
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Asst. Professor-Genetics



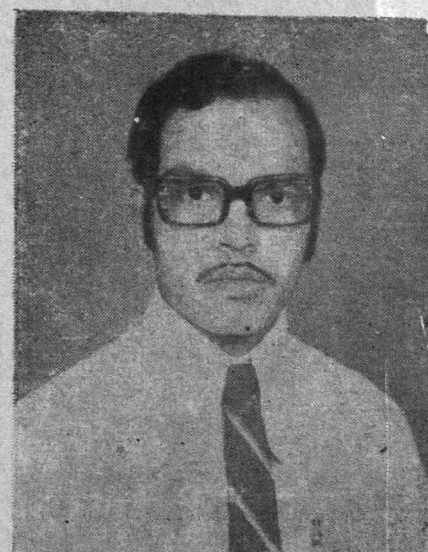
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Asst. Professor-Genetics



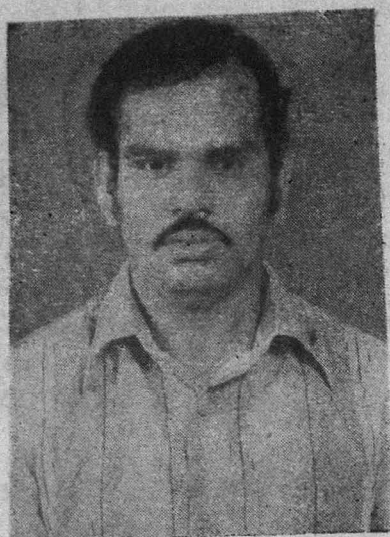
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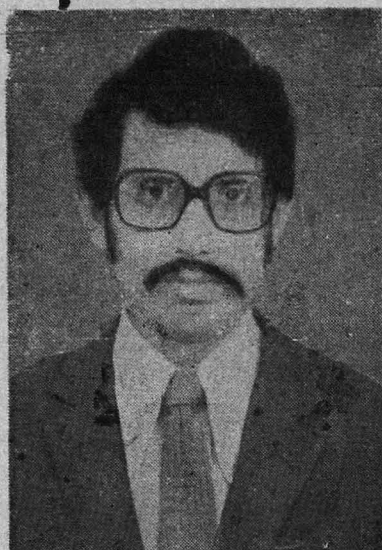
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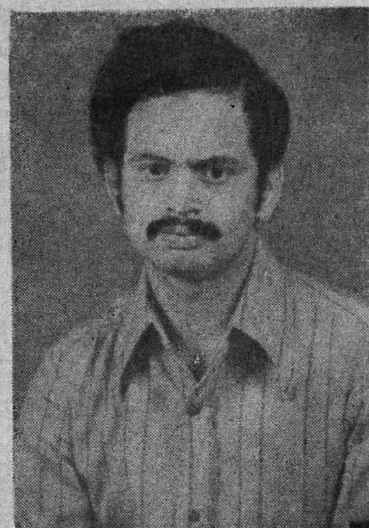
Dr. P. Thangaraj
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S. Balachandran
Asst. Professor
Animal Genetics



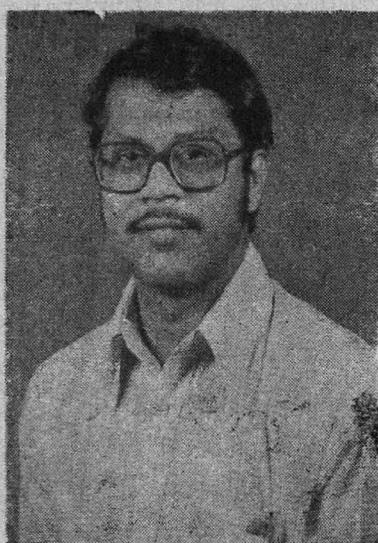
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Asst. Professor
Animal Genetics



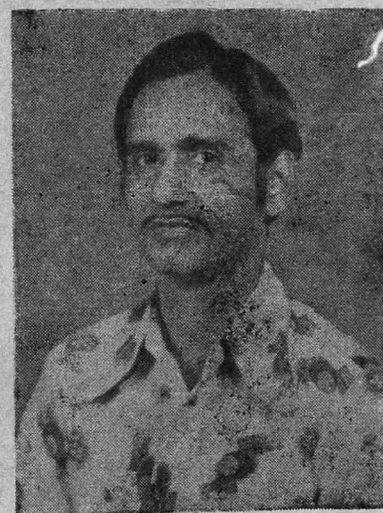
Dr. V. Thiagarajan
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Animal Genetics



Dr. P. Ayyalusamy
Professor
Animal Nutrition



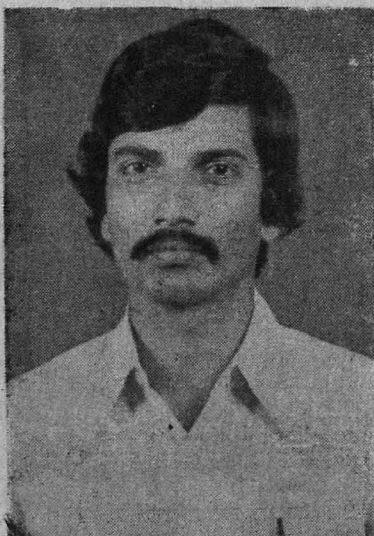
Dr. P. Kadirvel
Associate Professor
Animal Nutrition



Dr. Vijayakumar
Asst. Professor
Animal Nutrition



Dr. V.S. Jayaraman
Asst. Professor
Animal Nutrition



Dr. G. Thulasi
Asst. Professor
Animal Nutrition



Tmt. Minnie R; Fredric
Associate Professor
Biology



Tmt S. Rajalakshmi
Asst. Professor-Biology



Sri. J. Venkatakrishnan
Asst. Professor-Biology



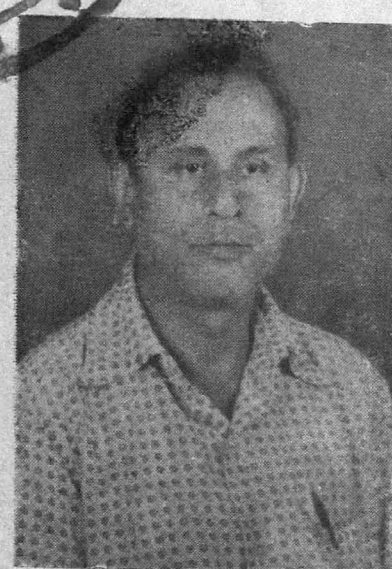
Tmt. A. Vilasini
Asst. Professor-Biology



Tmt. Devaki Theogarajan
Asst. Professor-Biology



Dr. T. M. Thangaraj
Professor-Clinics



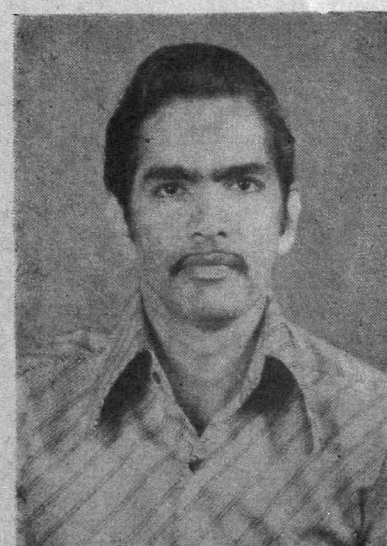
Dr. S. A. Quyum
Associate Professor-Clinics



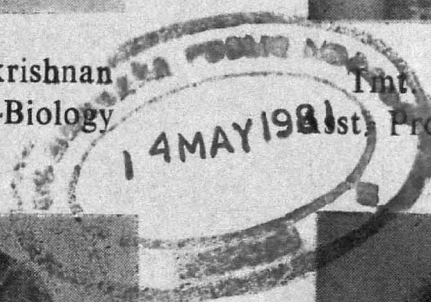
Dr. M. S. Gopal
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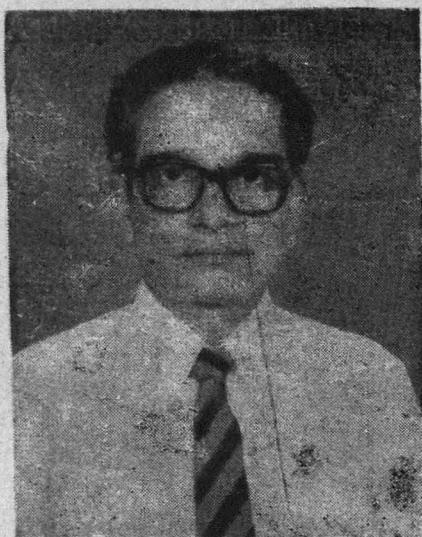


Dr. V. N. Seshagiri
Asst. Professor-Clinics



Dr. K. Ameer John
Asst. Professor-Clinics

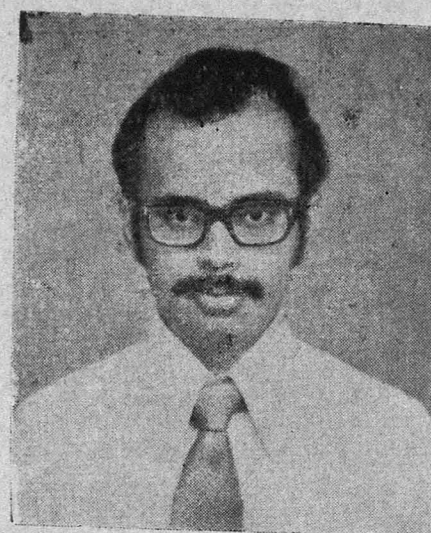




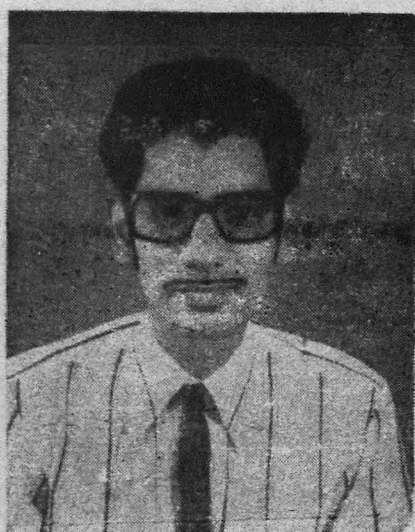
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Asst. Professor-Clinics



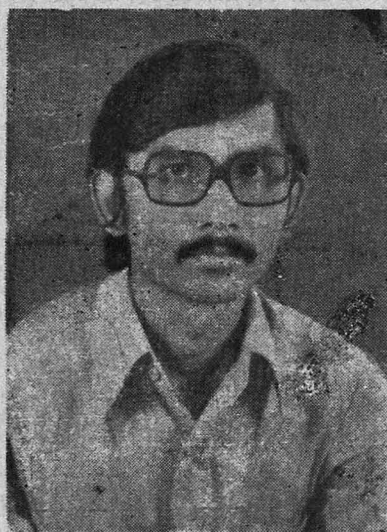
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Asst. Professor-Clinics



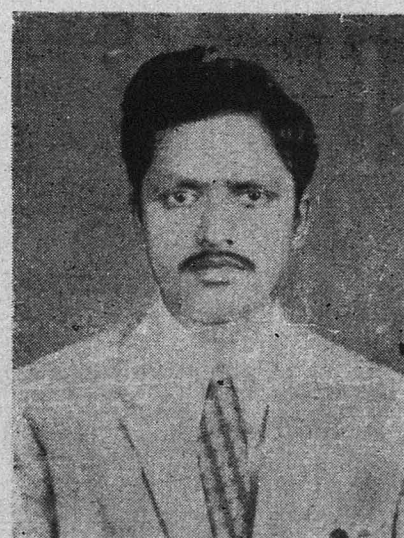
Dr. B. Neduncheralathan
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Dr. Archiball David
Asst. Professor-Clinics



Dr. P. Dhanapal
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Dr. R. Jayakumar
Asst. Professor-Clinics



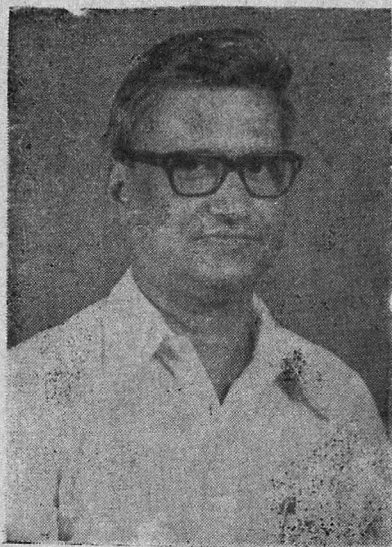
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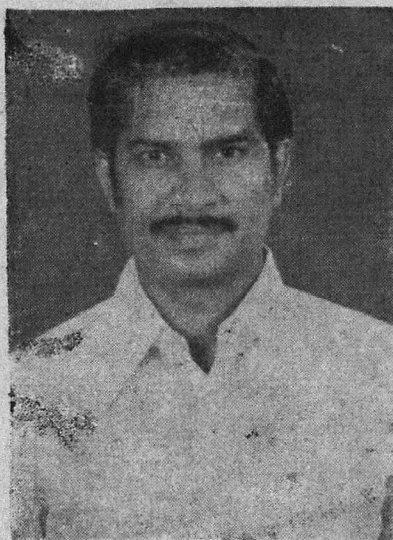
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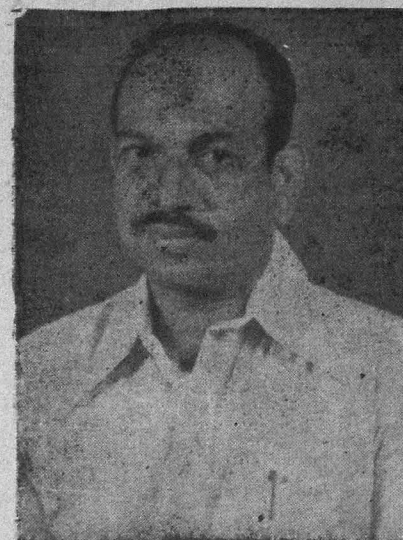
Dr. P. S. Krishnamurthi
Professor-Dairy Science



Dr. T. Jayachandran
Associate Professor
Dairy Science



Dr. P. Sadasivam
Associate Professor
Dairy Science



Dr. U. Mohanalingam
Asst. Professor
Dairy Science



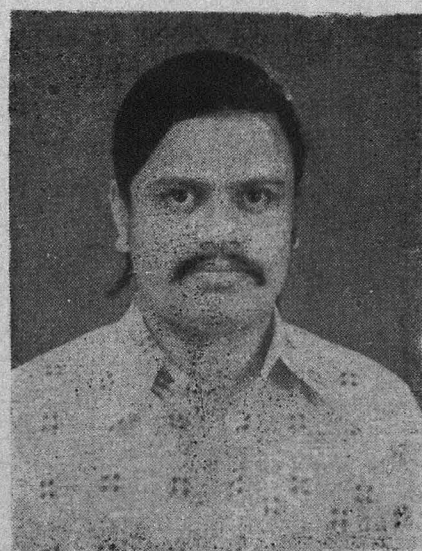
Dr. (Mrs) Celine koshi
Asst. Professor
Dairy Science



Dr. N. R. Gopalan
Asst. Professor
Dairy Science



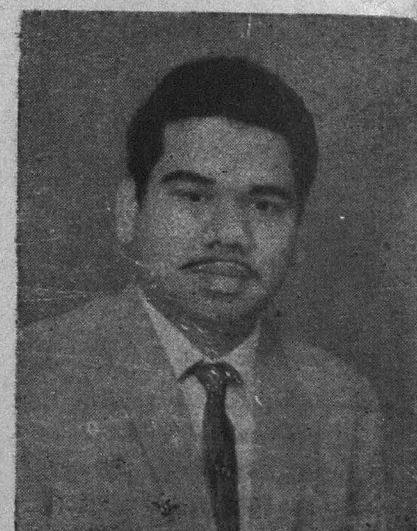
Dr. M. Ramakrishnan
Asst. Professor
Dairy Science



Mr. A. Krishnamurthi
Asst. Engineer-Dairy Science



Dr. M. P. Arumugam
Professor-Extension



Dr. K. M. Selvaraj
Associate Professor-Extension

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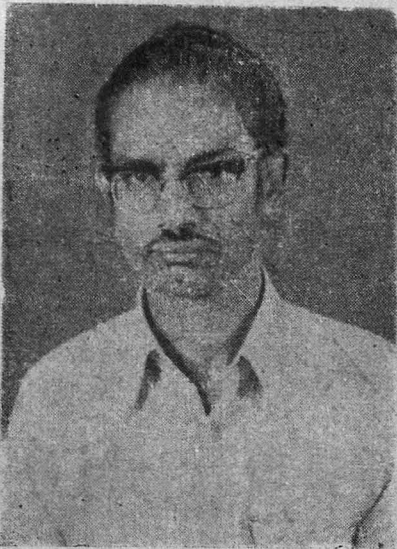
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Asst. Professor Extension



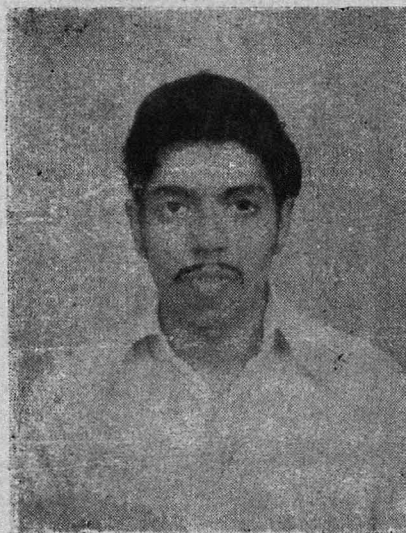
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Asst. Professor-Extension



Dr. K. Venkoba Rao
Asst. Professor-Extension



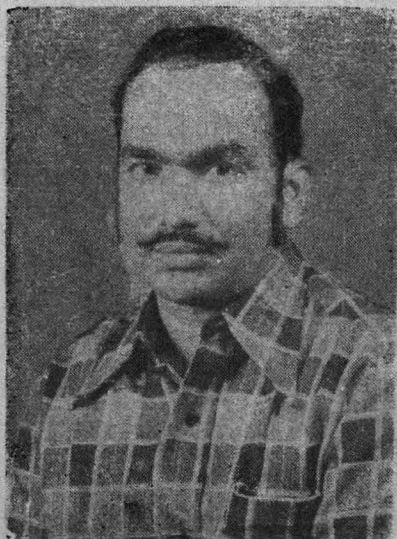
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Asst. Professor-Extension



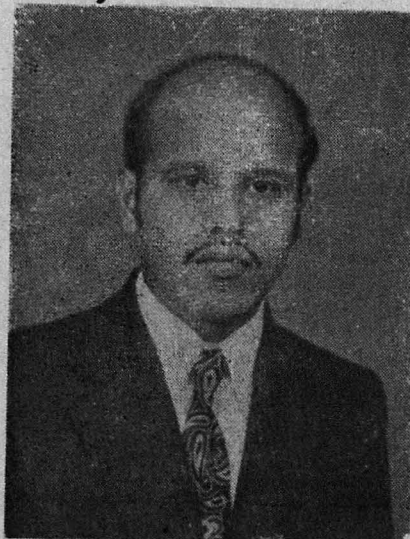
Dr. V. Purushothaman
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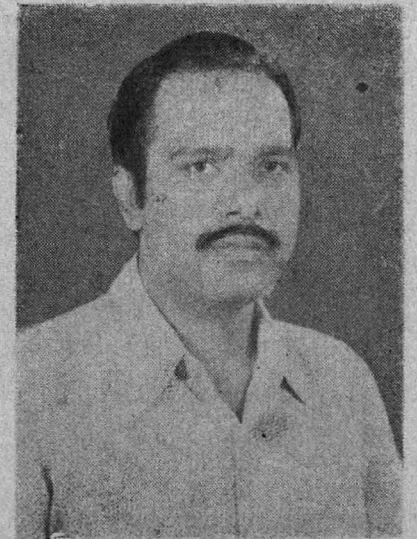
Dr. R. Srinivasan
Associate Professor
Lab Animal Medicine



Dr. A. M. Shanmugam
Asst. Professor
Lab Animal Medicine



Dr. S. Nedunchellian
Asst. Professor
Lab Animal Medicine



Dr. K. Vasu
Asst. Professor
Lab Animal Medicine



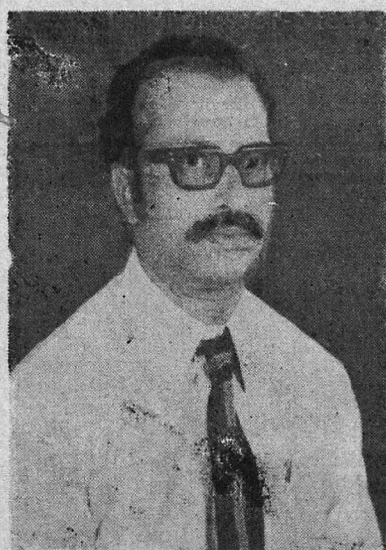
Tmt. Lalitha Fredrick
Librarian



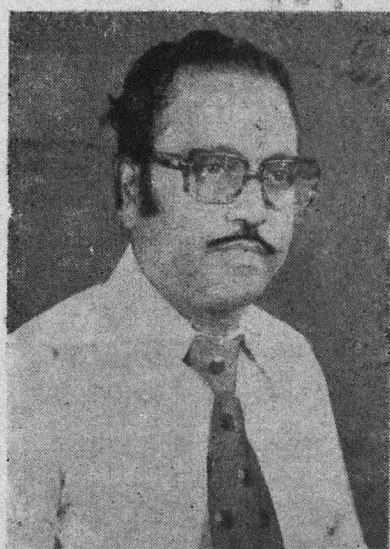
Miss. Mohana Sundari
Asst. Librarian



Dr. R. Ramamurthi
Professor-Meats



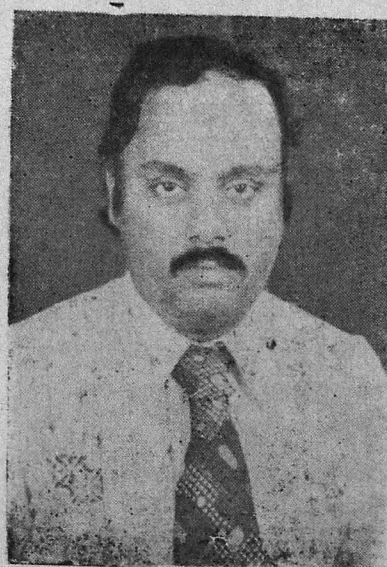
Dr. V. R. Kosalaraman
Associate Professor-Meats



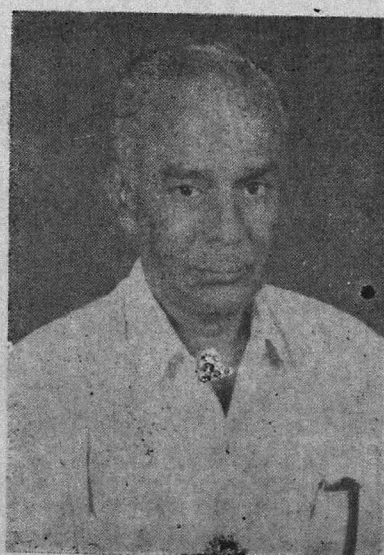
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Asst. Professor-Meats



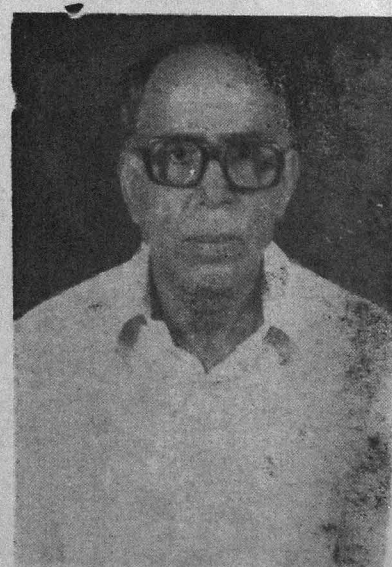
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Dr. K. T. Radha Krishnan
Asst. Professor-Meats

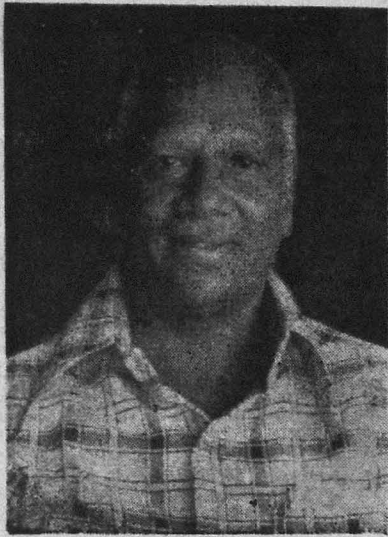


Dr. R. A. Balaprakasam
Professor-Microbiology

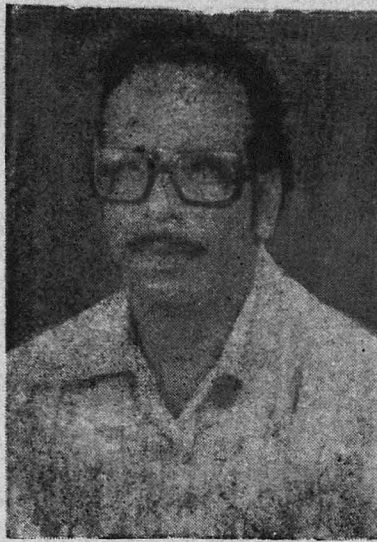


Dr. M. S. Jayaraman
Professor-Microbiology

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Dr. J. S. Moses
Associate Professor
Microbiology



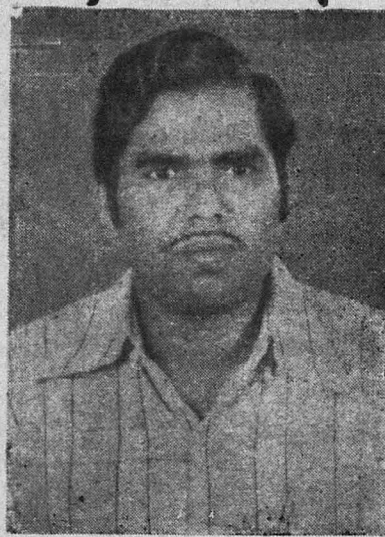
Dr. D. Janakiraman
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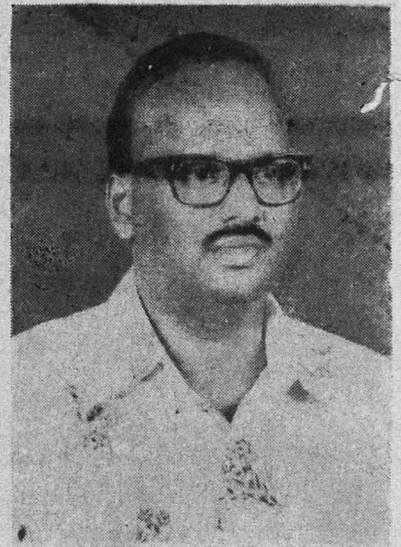
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Microbiology



Dr. K. S. Palanichamy
Asst. Professor
Microbiology



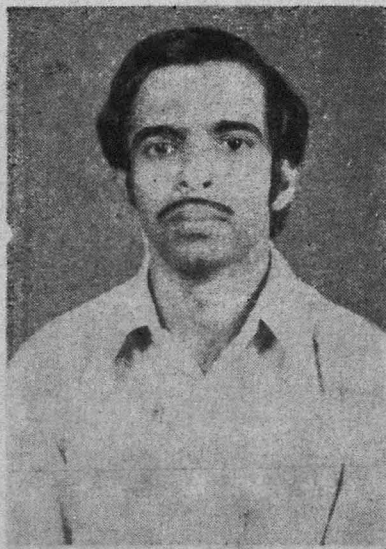
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Microbiology



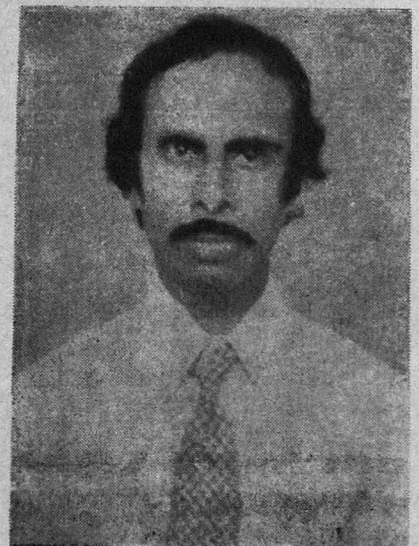
Dr. C. Venkatasubba Rao
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Microbiology



Dr. A. Koteeswaran
Asst. Professor
Microbiology



Dr. A. Albert
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Dr. V. Ramasamy
Asst. Professor
Microbiology



Dr N Dorairajan
Asst. Prof. Microbiolo



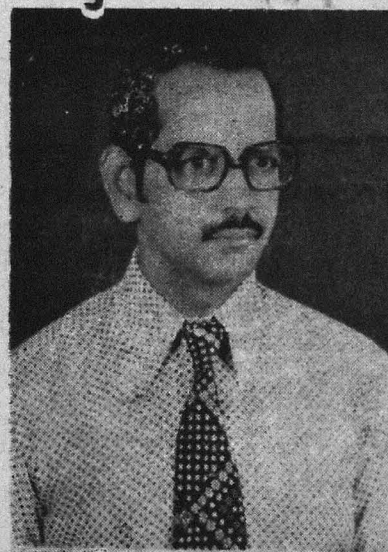
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Selvi. R. Kasthuri
Asst. Prof. Biology



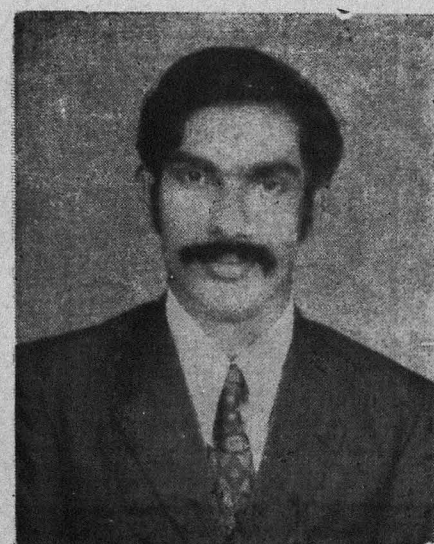
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Gynaecolgy



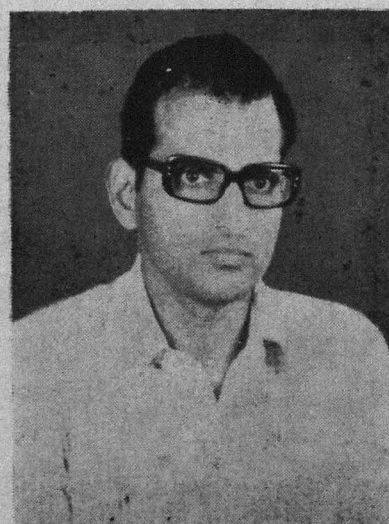
Dr. S. R. Pattabiraman
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Gynaecology



Dr. D. John
Associate Professor
Gynaecology



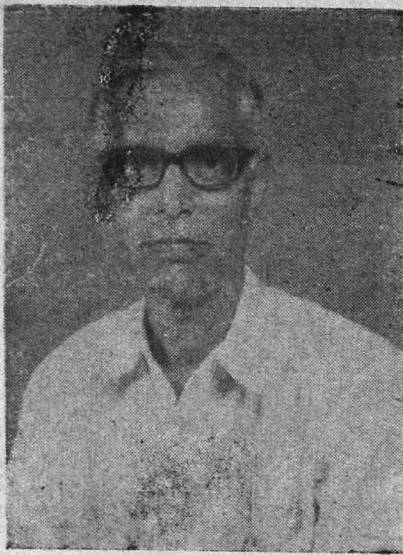
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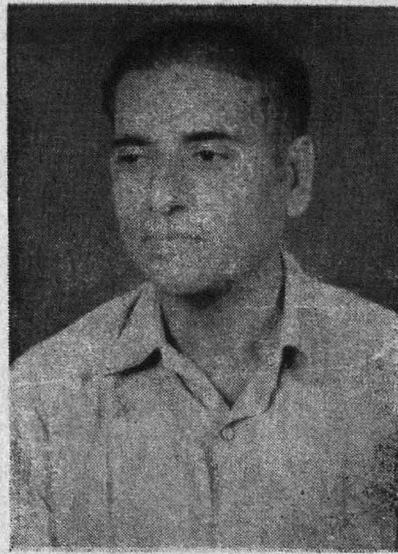
Dr. P. S. Krishnamurthi
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Dr. (Tmt.) C. M. Lalitha
Professor-Parasitology



Dr. H. N. Achuthan
Associate Professor
Parasitology



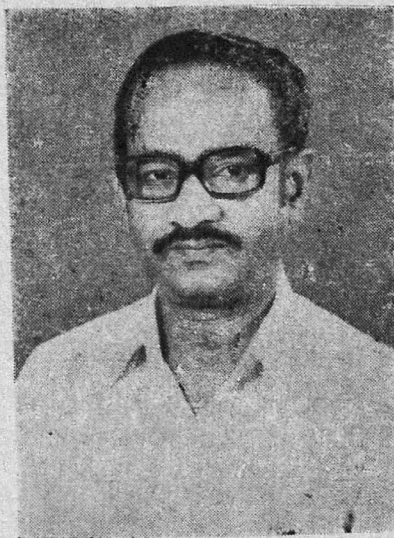
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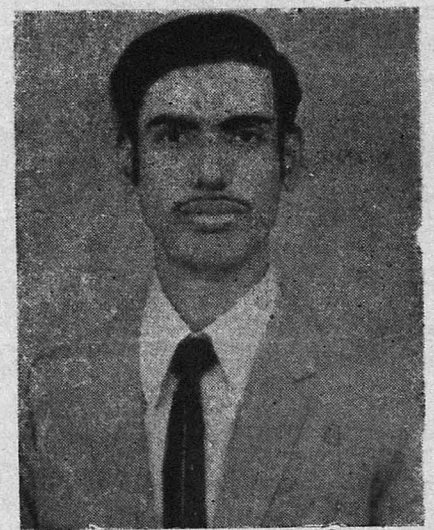
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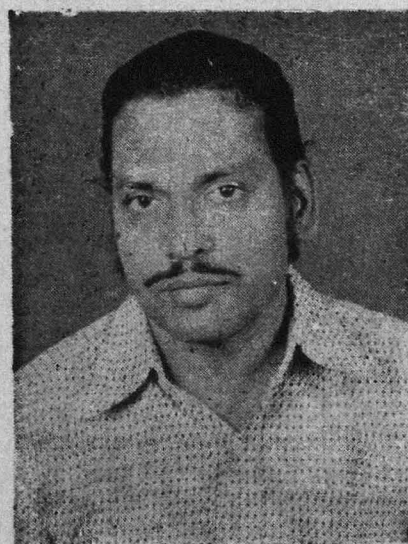
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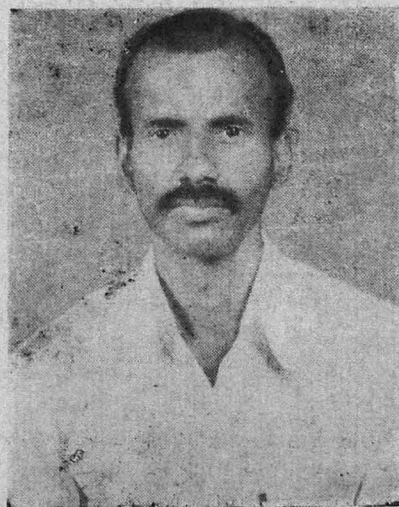
Dr. S. A. Joseph
Asst. Professor
Parasitology



Dr. R. Anandan
Asst. Professor
Parasitology



Dr. S. Balasundaram
Asst. Professor
Parasitology



Dr. G. Rajuvelu
Asst. Professor
Parasitology



Dr. (Tmt.) C. M. Dhakshayani
Asst. Professor
Parasitology



Dr. D. Jeyaseelan Chellappa
Asst. Professor
Parastiology



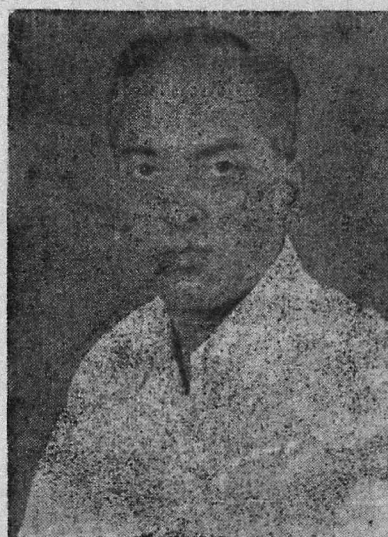
Dr R. Ramakrishnan
Professor
Pathology



Dr. R. Krishnan
Associate Professor
Pathology



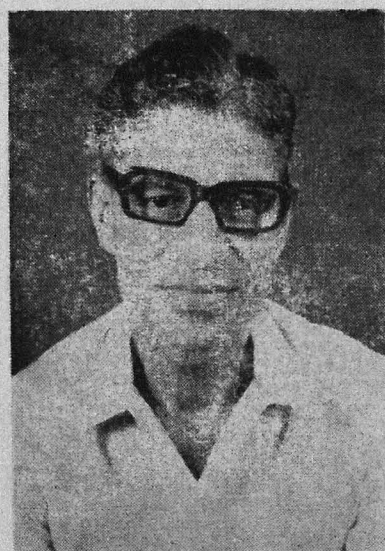
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Dr. P. V. Ramachandran
Associate Professor
Pathology



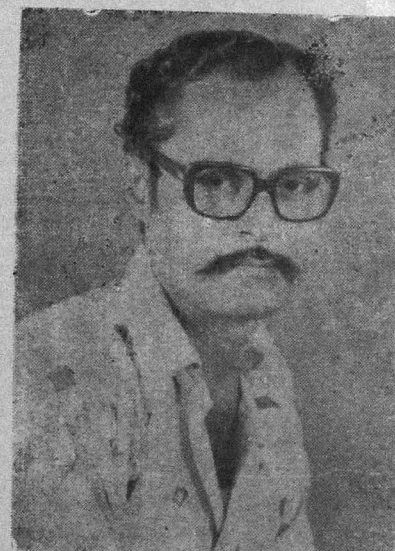
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Asst. Professor
Pathology



Dr. K. R. Parthasarthy
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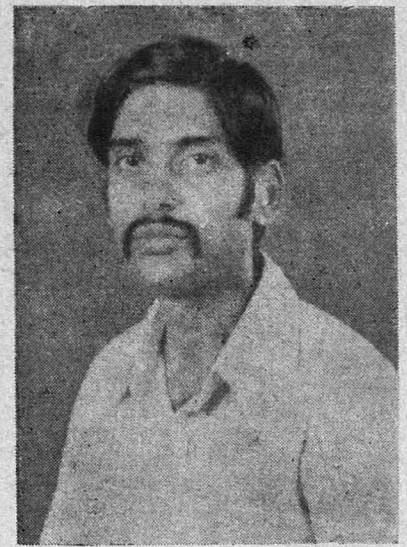
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Dr. S. A. Shakir
Asst. Professor
Pathology



Dr. Thanikachalam
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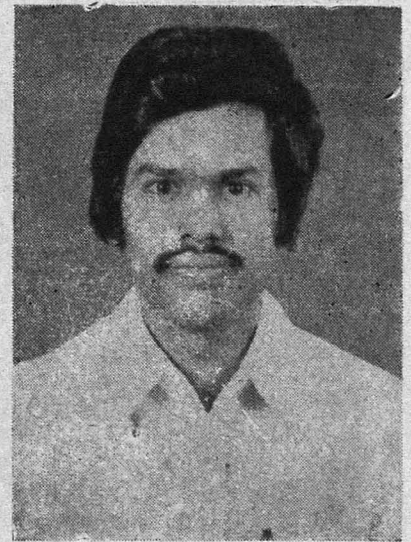
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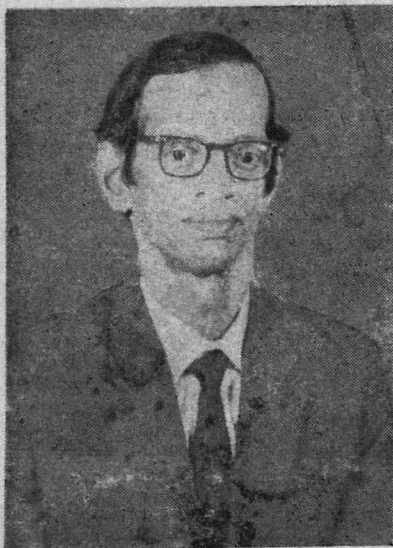
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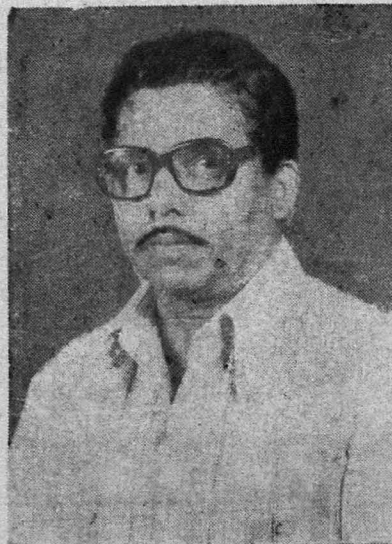
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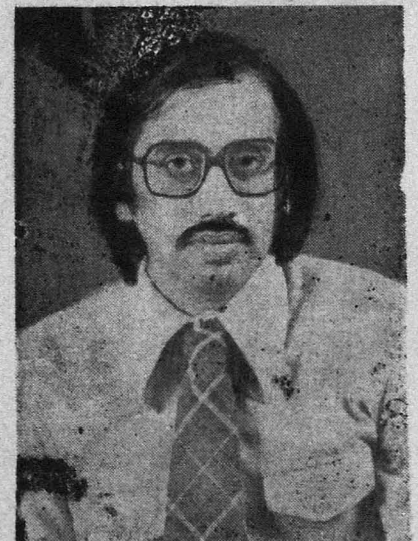
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Pathology



Dr. R. Natarajan
Professor
Pharmacology



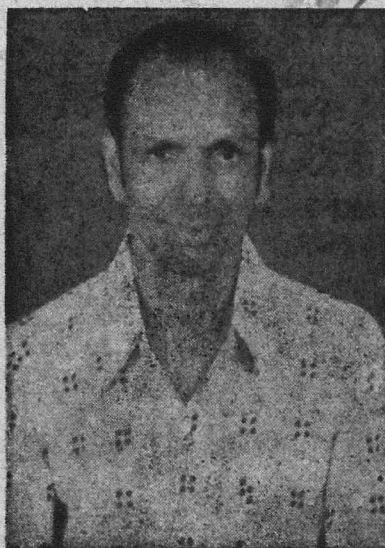
Dr. K. C. Raghavan
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Pharmacology



Dr. S. Jayasundar
Asst Professor
Pharmacology



Dr. S. Gopalan
Associate Professor
Pharmacology



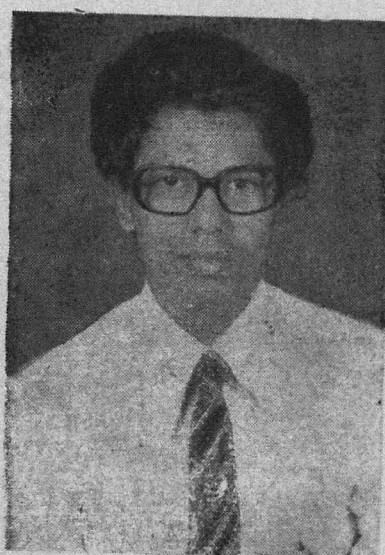
Dr. B. Gowrishankar
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Dr. J. Jayasekaran Samuel
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Dr. M. Kanniyappan
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Pharmacology



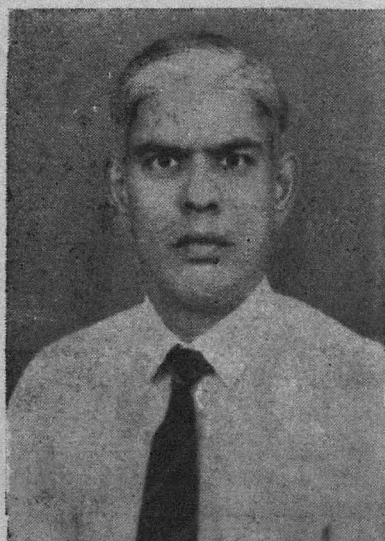
Dr. Inbaraj 'cyrus
Asst. Professor
Pharmacology



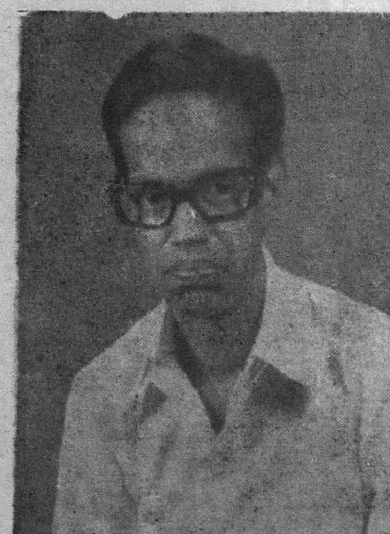
Dr. K. B. S. Mani
Asst. Professor
Pharmacology



Dr. S. Venkatayan
Professor
Physiology



Dr. L. V. Gopalakrishnan
Associate Professor
Physiology



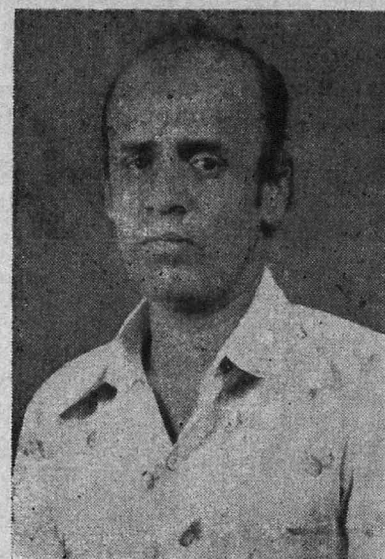
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Asst. Professor
Physiology



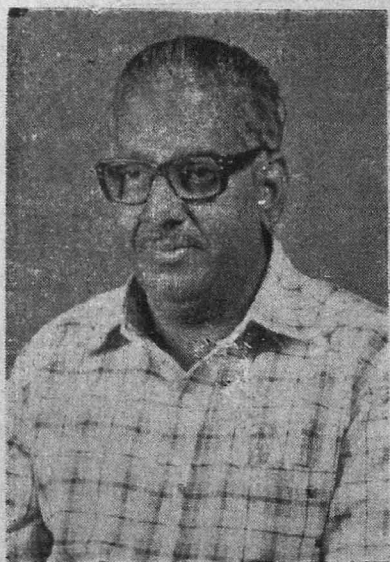
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Asst. Professor-Physiology



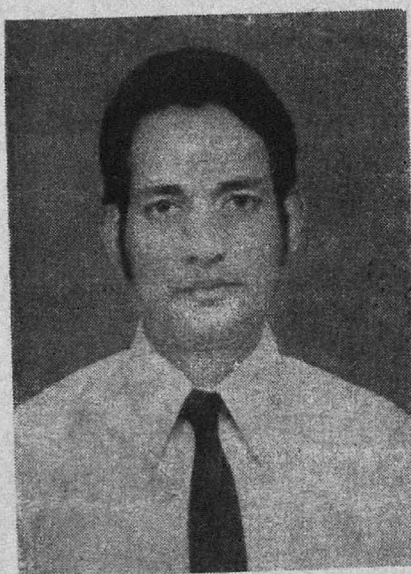
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Asst. Professor-Physiology



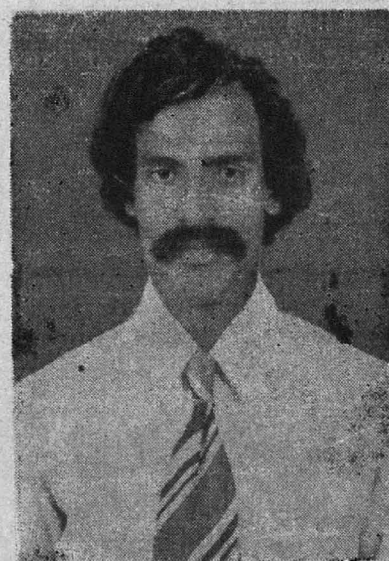
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Dr. M. Chandrasekaran
Asst. Professor-Physiology



Dr. Md. Nayeem
Asst. Professor-Physiology



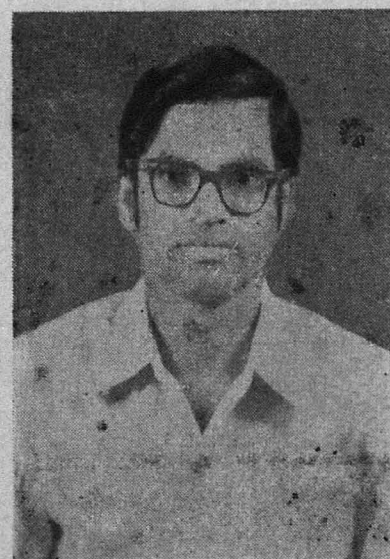
Mr. D. Sundararaj
Physical Education



Dr. P. Muthusamy
Assoc. Prof. Physical Science



V. S. Subramanian
Asst. Prof.-Physical Science

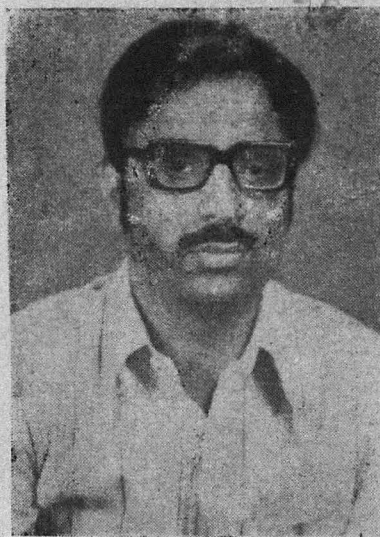


Thriu. K. Ayyadurai
Asst. Prof.-Physical Science

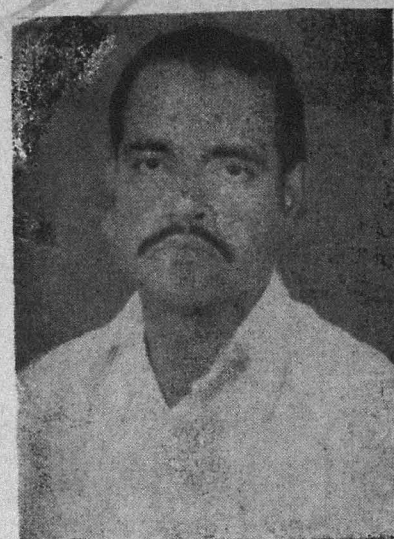
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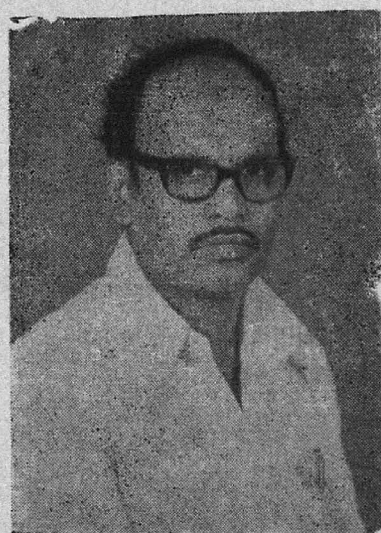
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Asst. Prof.-Physical Science



Thiru N. R. Srinivasan
Asst Prof. Physical Science



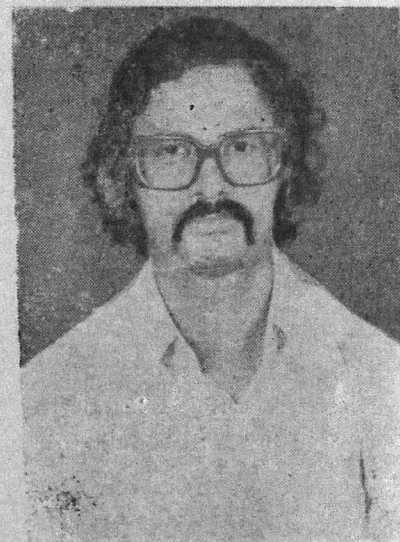
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Asst. Prof.-Physical Science



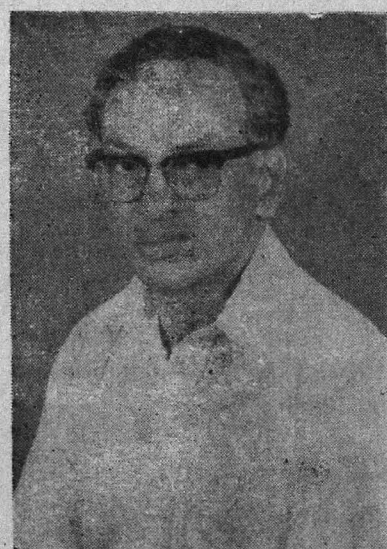
Thiru S. Jayaraj Nathaniyel
Asst Prof. Physical Science



Dr. P. Kothandaraman
Professor-Poultry Science



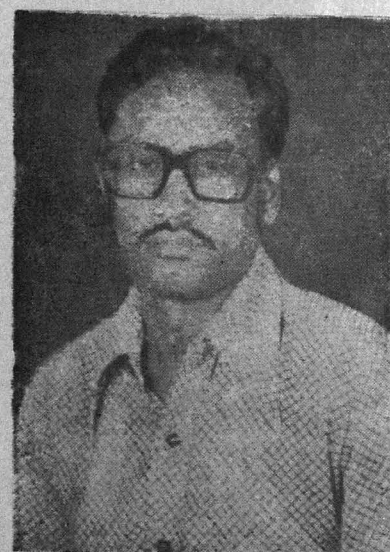
Dr. I. Alfred Jayaprasad
Asso. Prof. Poultry Science



Dr. K. Vedhanayagam
Asso. Professor
Poultry Science



Dr. Bernard Muthu
Asso. Professor
Poultry Science



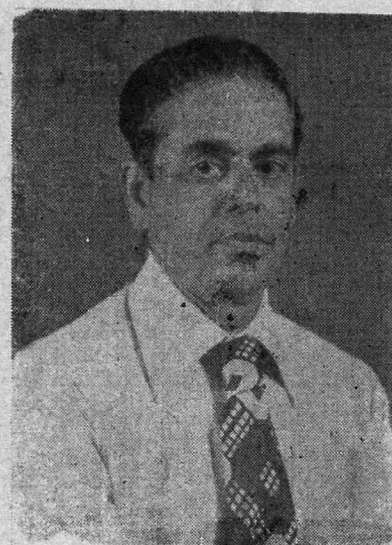
Dr. A. Gabriel raj
Asst. Professor
Poultry Science



Dr. J. S. Antony
Asst. Professor
Poultry Science



Dr. T. G. Abdul khadar
Professor
Preventive Medicine



Dr. N. Raghavan
Associate Professor
Preventive Medicine



Dr. M. Thanappa Pillai
Asst. Professor
Preventive Medicine



Dr. Mathew C John
Asst. Professor
Preventive Medicine



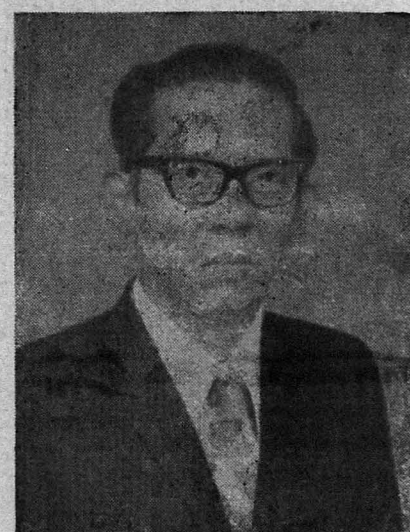
Dr. (Mrs) Manorama Dhinakaran
Asst Professor
Preventive Medicine



Thiru. V. Gopalakrishnan
Asst. Professor-Statistics



Dr. M. Ganesamoorthy
Asst. Professor-Statistics



Dr. E. I. Rajendran
Professor-Surgery



Dr. Godfrey David
Associate Professor-Surgery



Dr. S. Kathaperumal
Associate Professor-Surgery



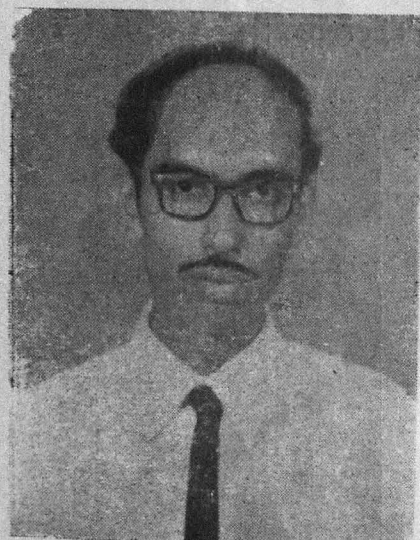
Dr. R. Krishnamurthi
Asst. Professor-Surgery



Dr. Dewan Muthu Mohamed
Asst. Professor-Surgery



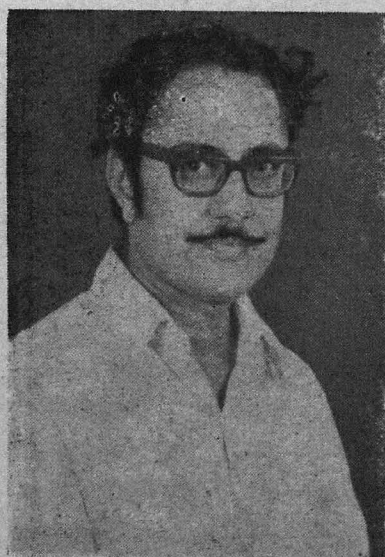
Dr. M. G. Richard
Asst. Professor-Surgery



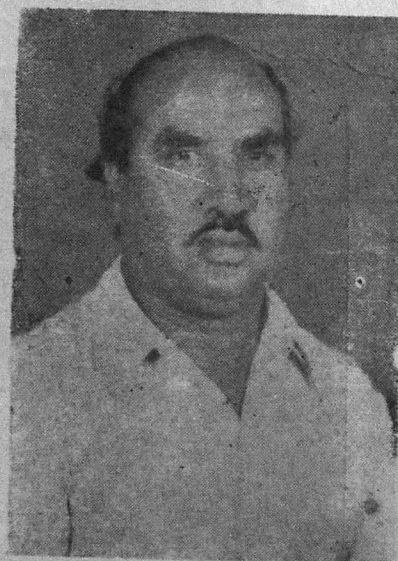
Dr. Abraham Manicka Rajan
Asst. Professor-Surgery



Dr. V. V. Nagarajan
Professor
Therapeutics and Toxicology



Dr. R. Balasubramanian
Associate Professor
Therapeutics and Toxicology

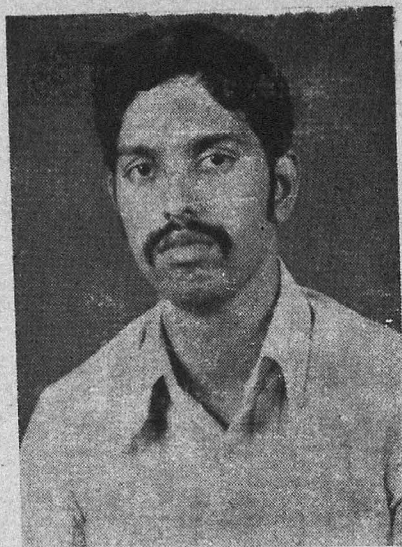


Dr. V. Gnanaprakasam
Asst. Professor
Therapeutics and Toxicology

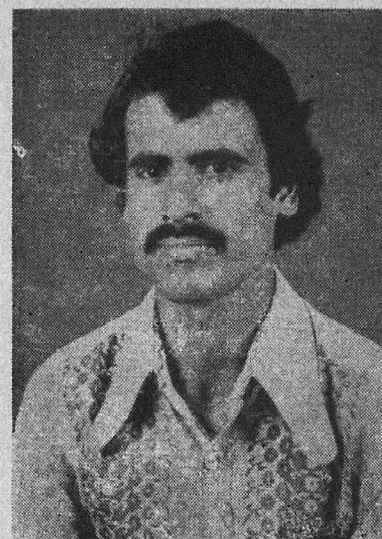
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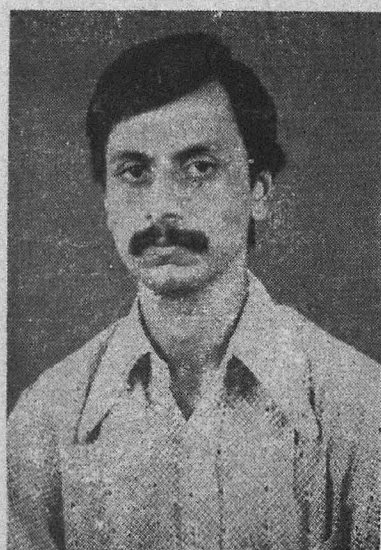
Dr. T. S. S. Rajan
Asst. Professor
Therapeutics and Toxicology



Dr. Hari Haran
Research Associate



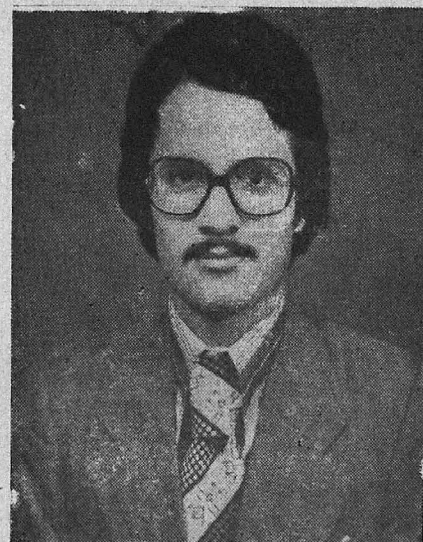
Dr. M. Babu
Research Associate



Dr. S. Selvasubramanian
Research Associate



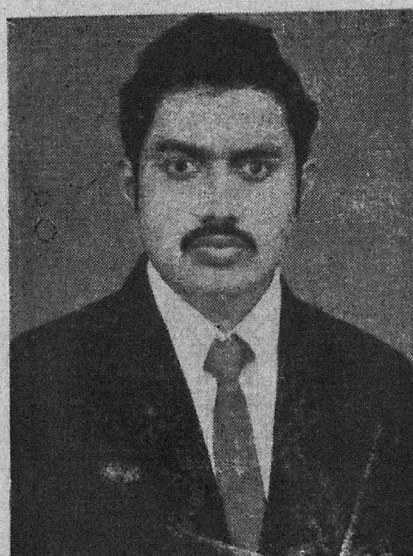
Dr. Thiagarajan
Research Associate



Dr. K. V. Venkateswaran
Research Associate



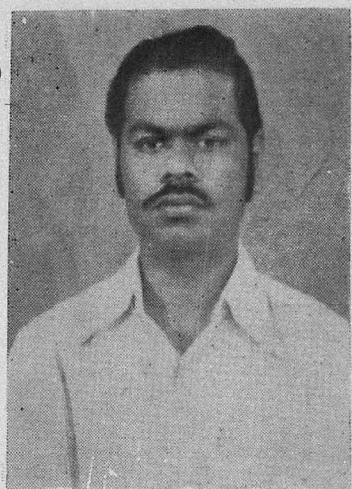
Dr. T. G. Damodaran
Research Associate



Dr. K. A. Duraisamy
Research Associate



Dr. Gajalakshmi
Research Associate



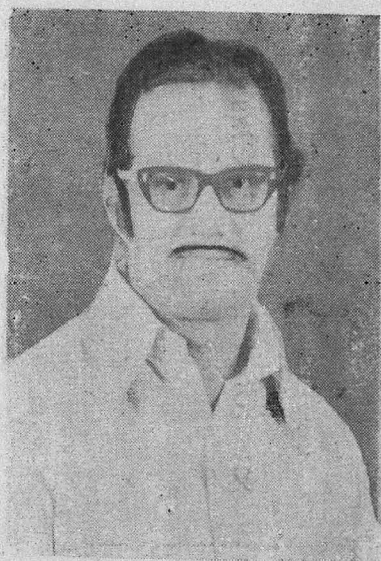
Dr. A.M. Ramaswami
Asst. Professor Meats



Dr. M. Krishnamurthi
[Asst. Professor Clinics



Dr. (Mrs) Lalitha John
Asst. Professor Statistics



Dr. Thirunavukarasu
Research Associate



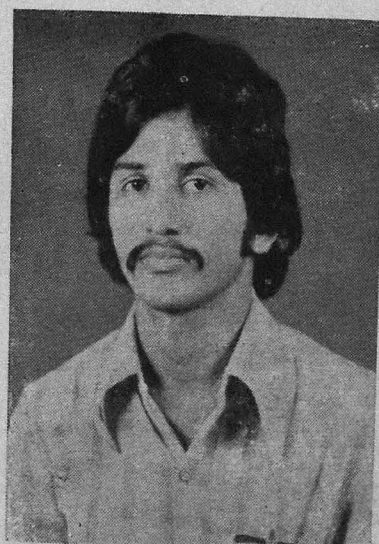
Dr. R. Ravi
Research Associate



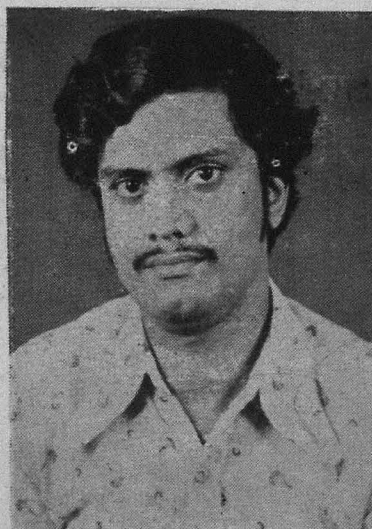
Dr. S. Prathaban
Research Associate



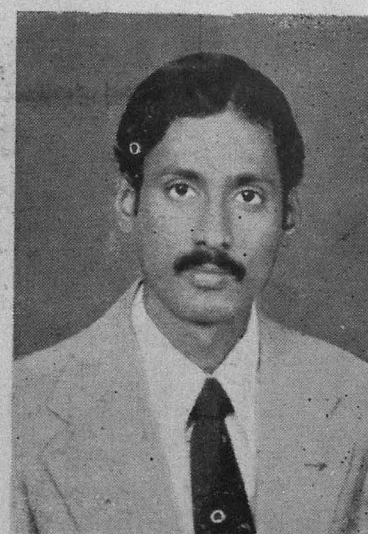
Dr. Mathuram
Research Associate



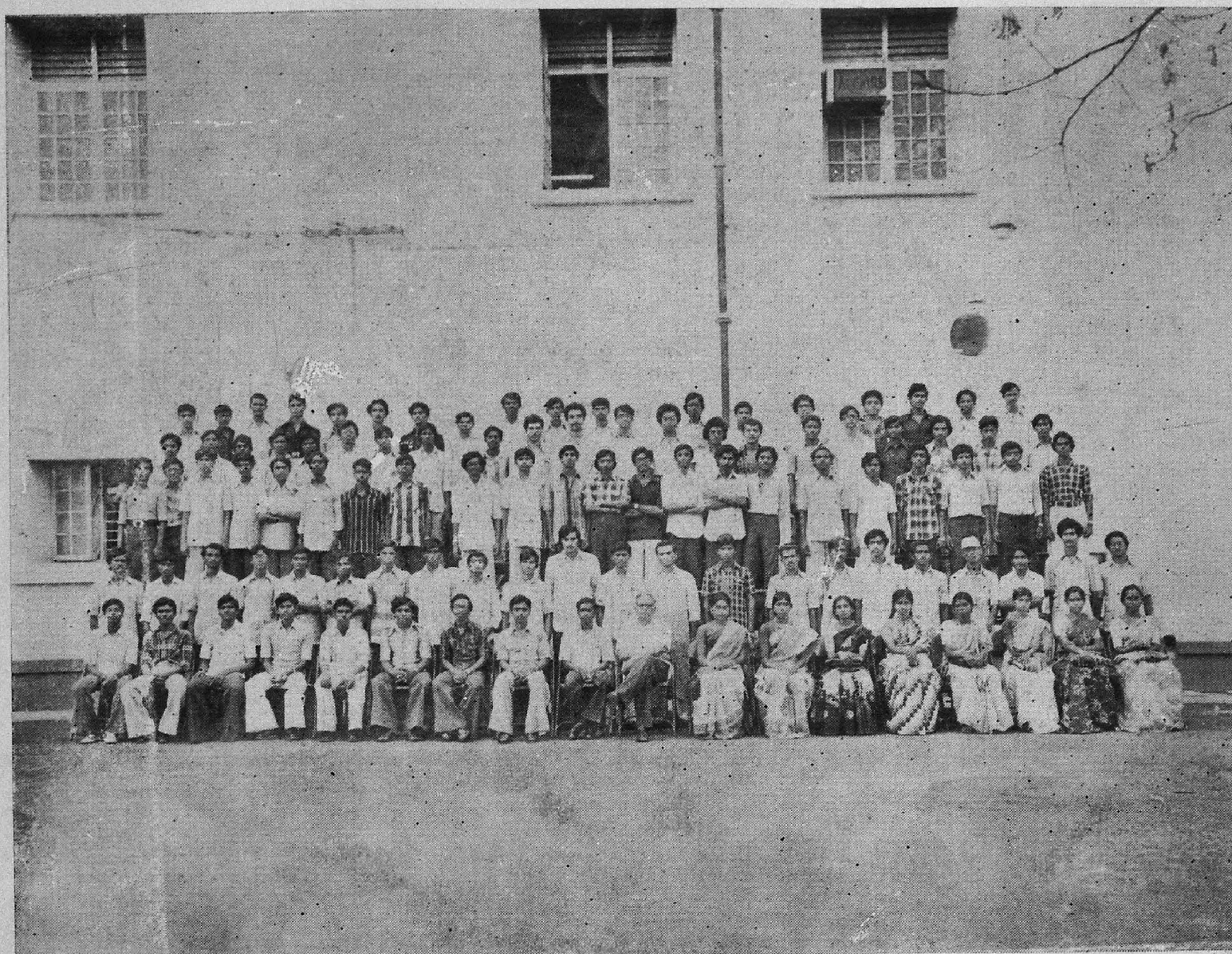
Dr. T. N. Ganesh
Research Associate



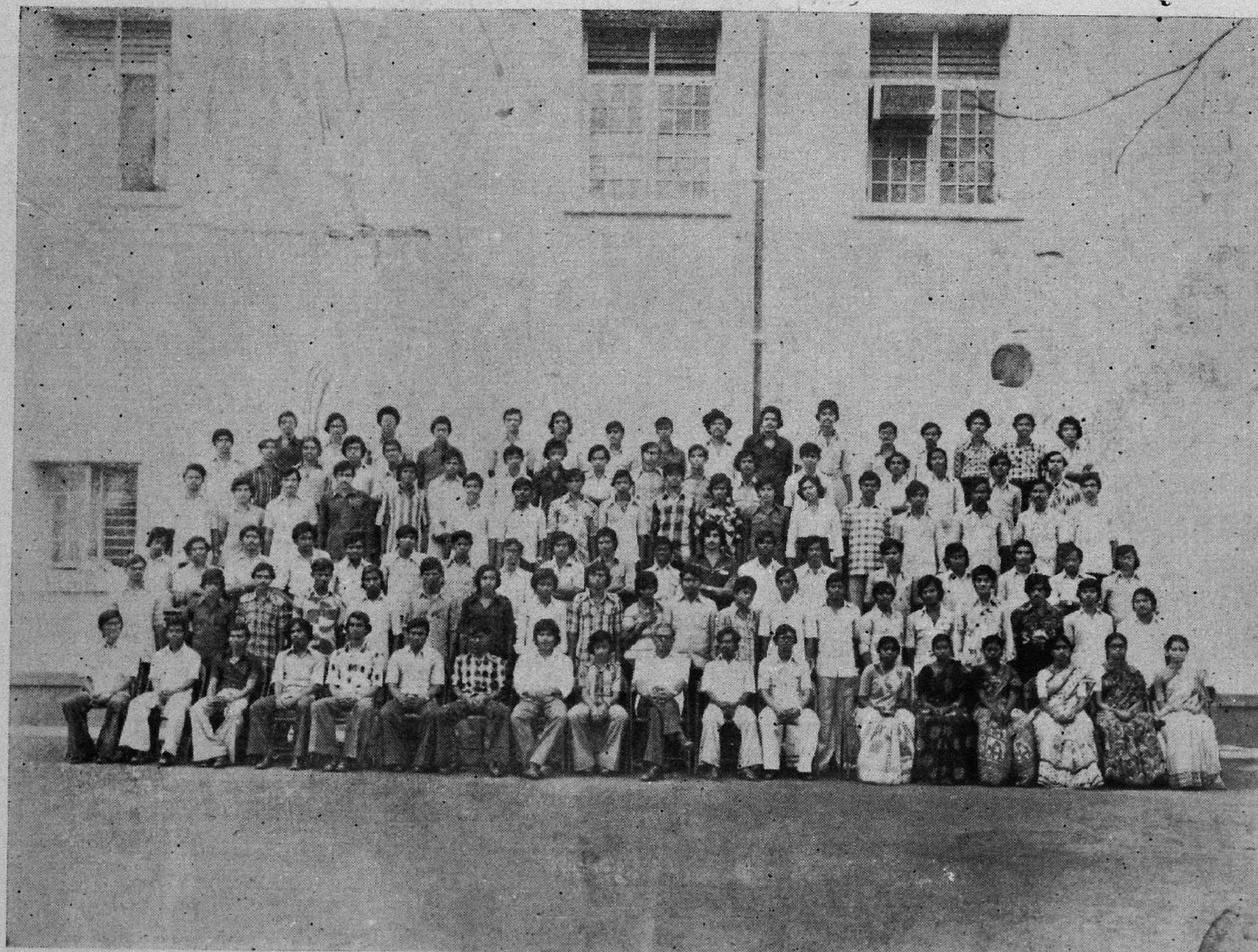
Dr. B. Ramesh Kumar
Research Associate



Dr. S. Thilagar
Research Associate

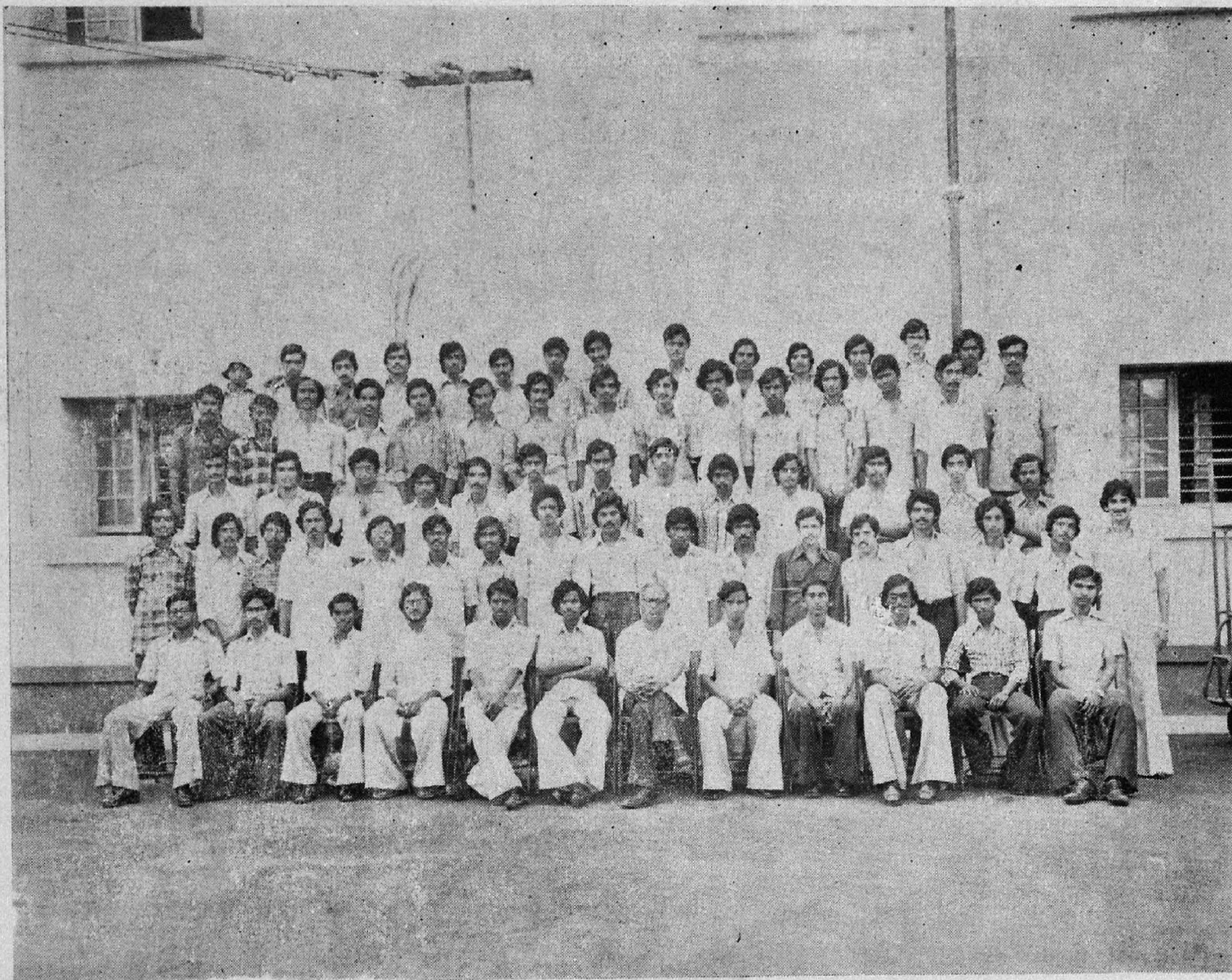


Students of I B, V. Sc. Class

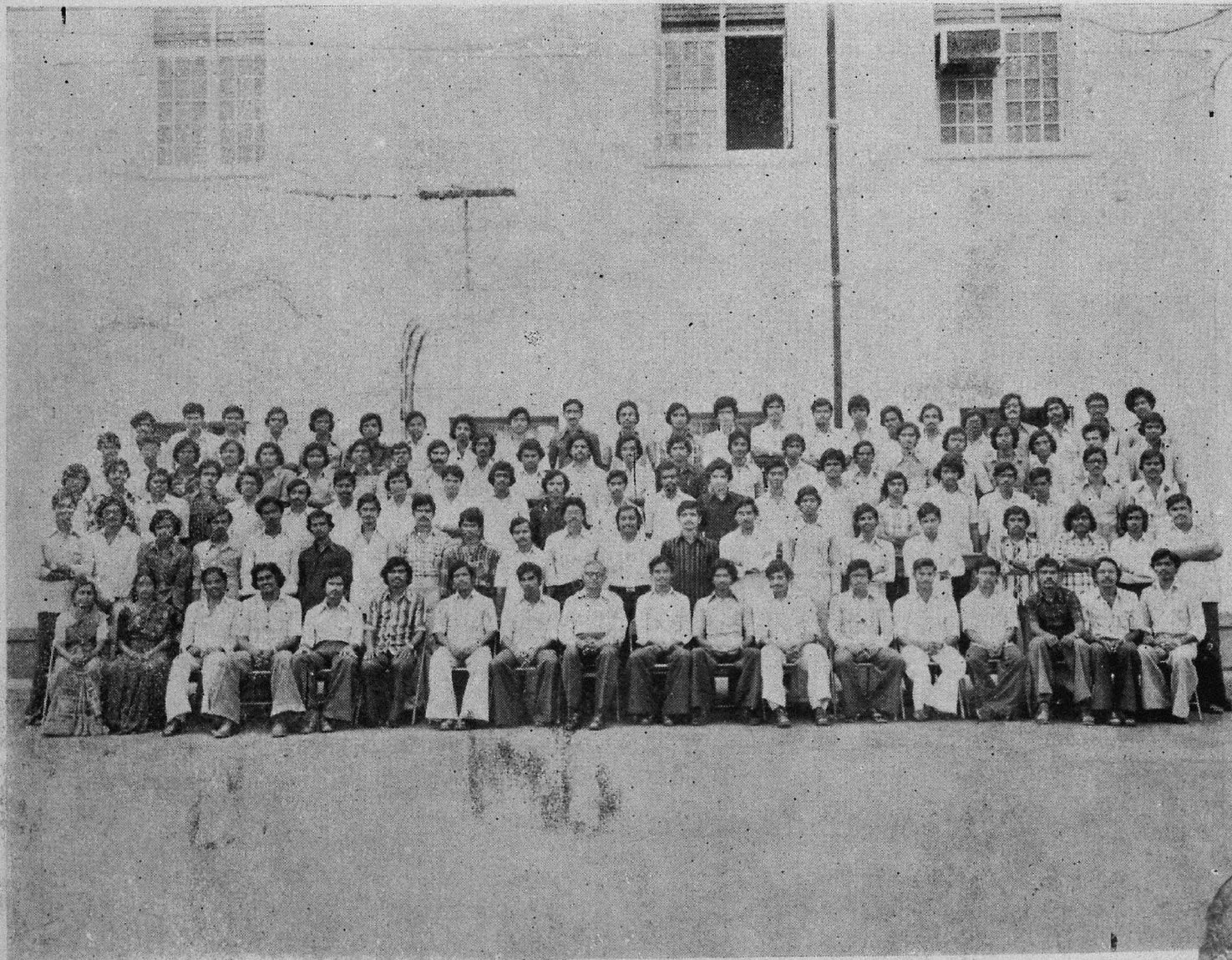


Students of II B. V. Sc. Class

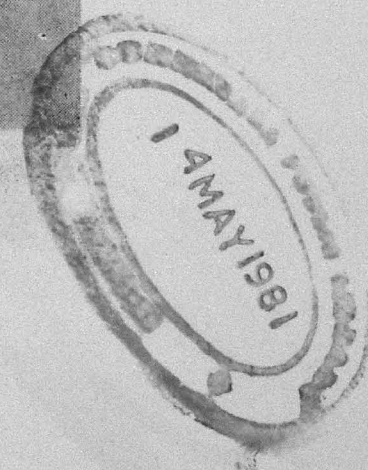




Students of III B. V. Sc. Class



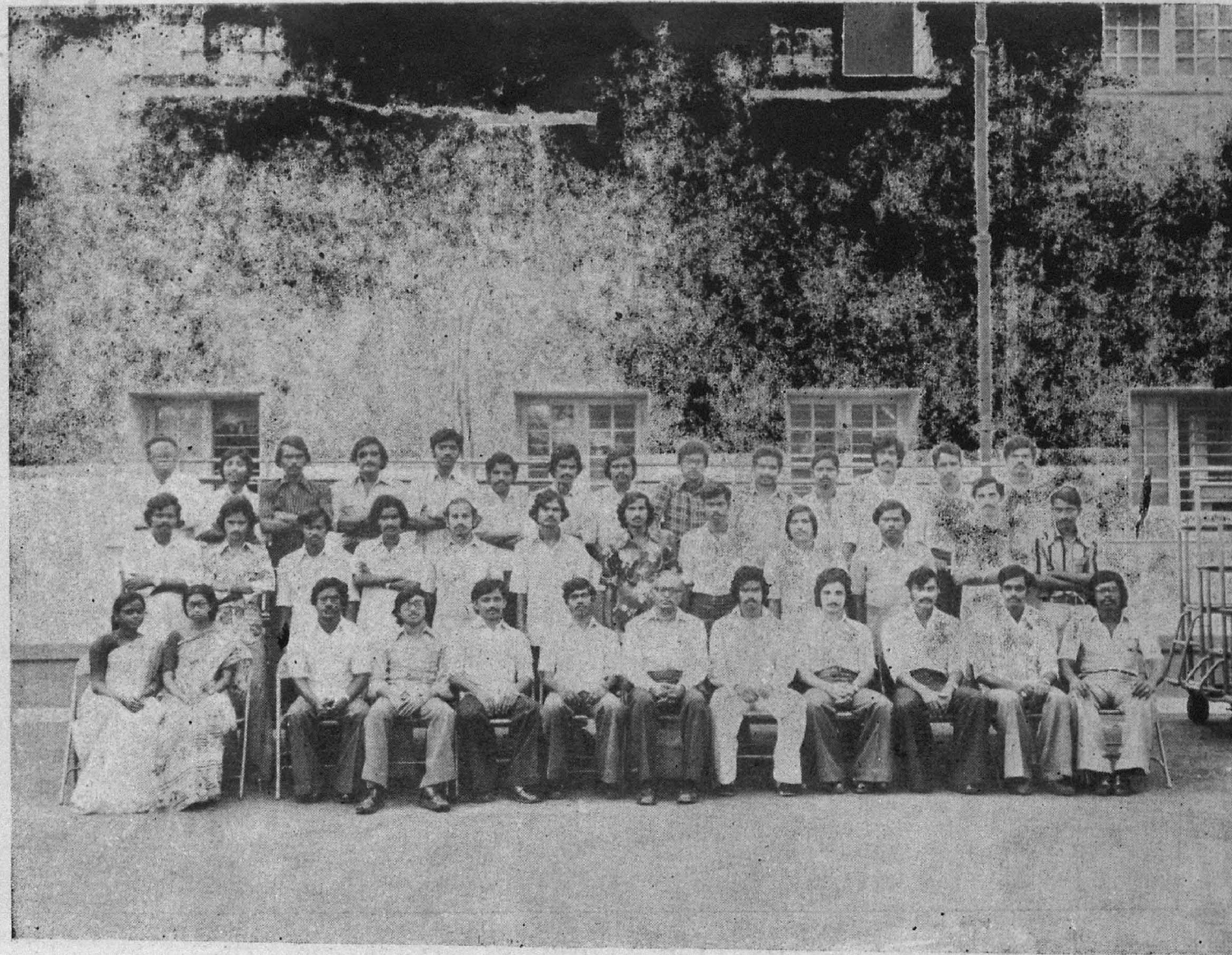
Students of IV B. V. Sc. Class





Students of V and Final B. V. Sc. (July '80) Class

14 MAY 1981



Students of V and Final B. V. Sc. (October'80) Class

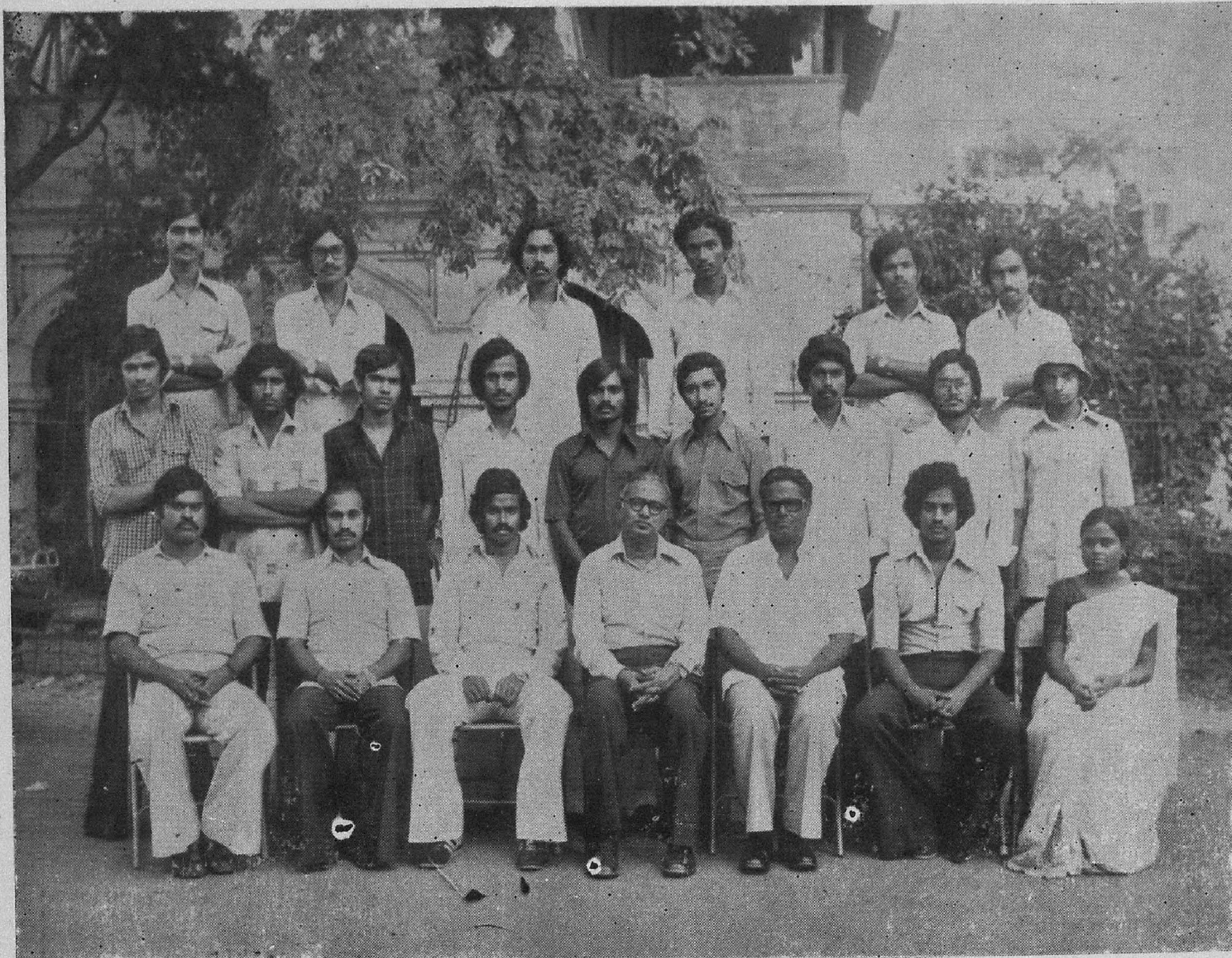


Students of V and Final B. V. Sc. (October'79) Class



Post-Graduate Students

14 MAY 1981



Office Bearers of Students' Association

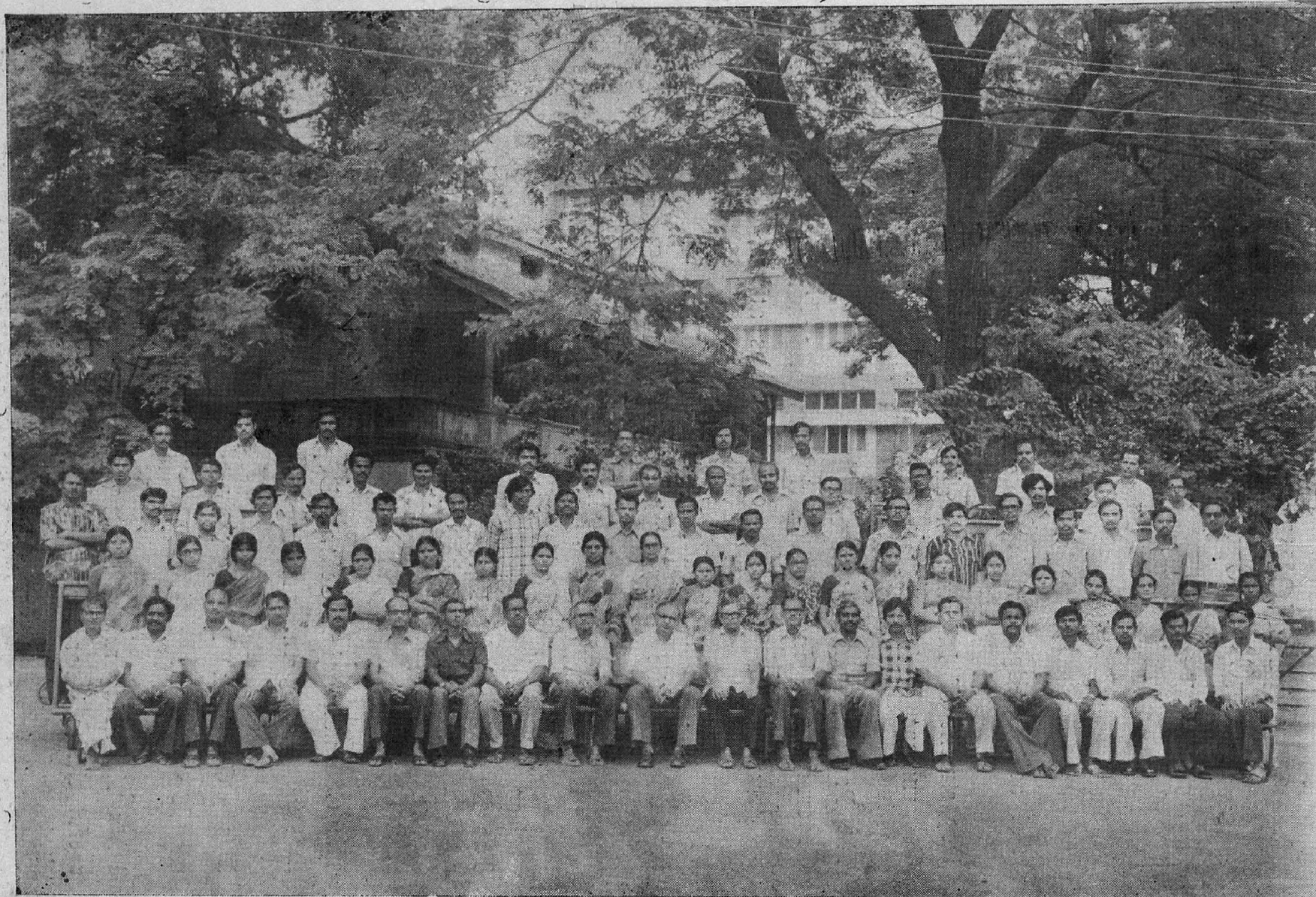
ACKNOWLEDGEMENT

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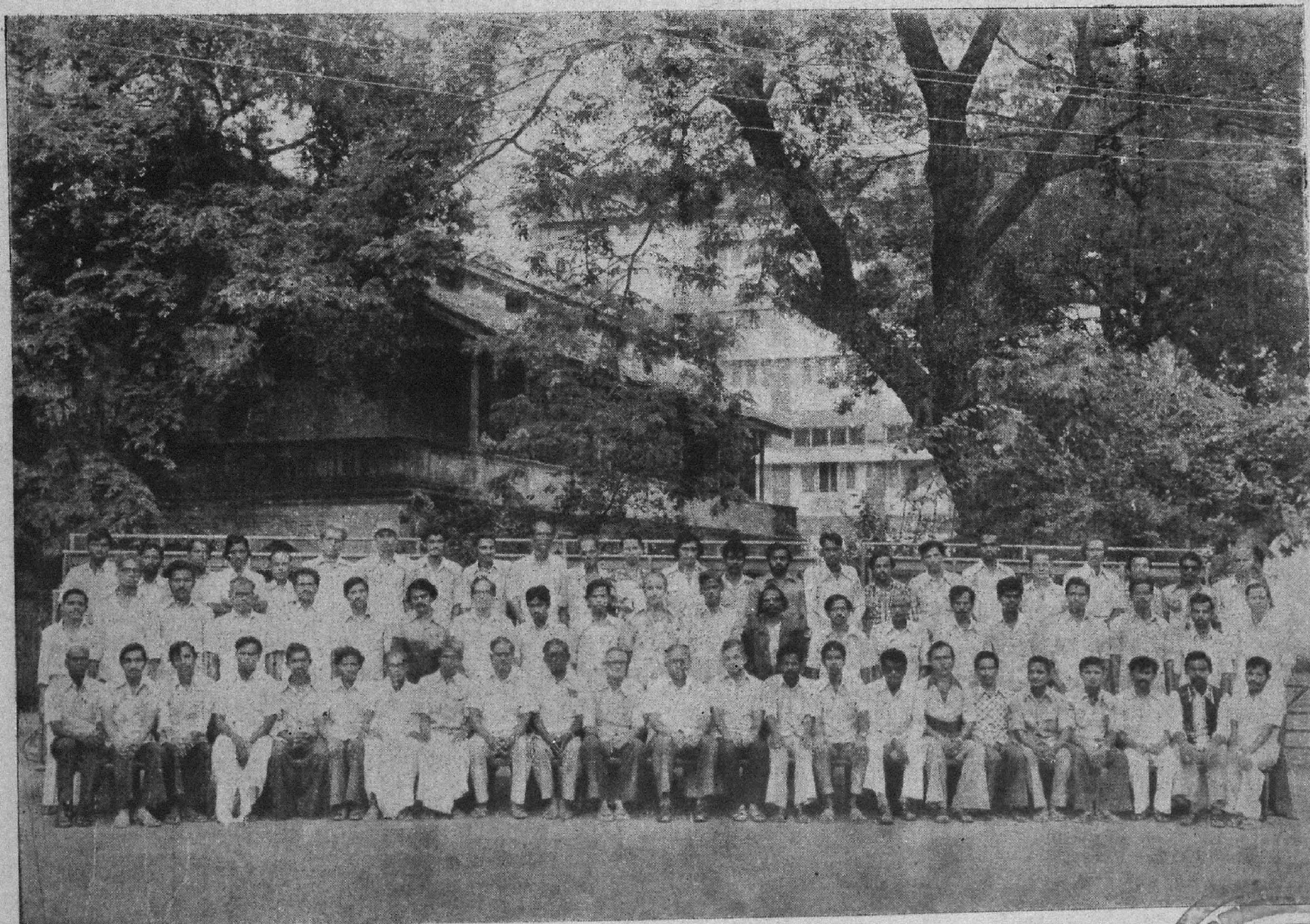


Grateful acknowledgement is made of the kind help rendered by :

- 1) Department of Information and Public Relations,
Government of Tamil Nadu for the photographs of dignitaries.
- 2) The Press Information Bureau,
Government of India, Shastri Bhavan, Madras-600 006
for furnishing photographs of dignitaries at the Centre.
- 3) The Hindu, Mount Road, Madras-600 002
for offering the photograph of Dr. M. S. Swaminathan.
- 4) Dr. A. Habibur Rahman, B.V.sc., Post graduate student for designing
the outer cover page of the Souvenir.
- 5) The Department of Extension, Madras Veterinary College
for making arrangements for photographing various buildings and
activities.
- 6) The Communication Centre, Department of Extension
for undertaking the printing of the Souvenir.
- 7) M/s. Guardian Press, Madras-600 005 for making blocks of
photographs.
- 8) Thiru K.V. Nagarajan, IV B.V.Sc., for his keen interest in furnishing
useful titbits incorporated in the Souvenir.

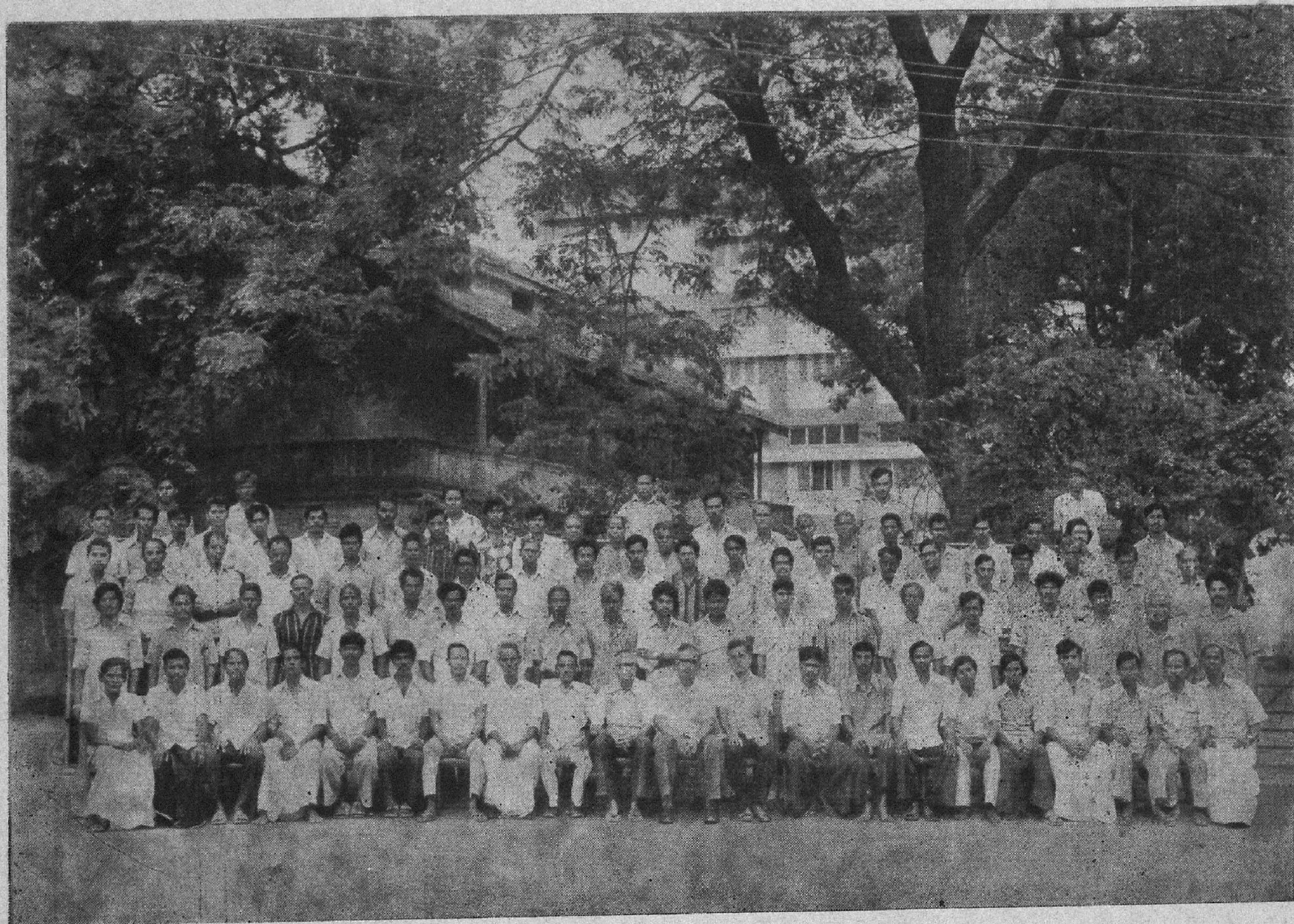


Madras Veterinary College — Ministerial Staff



Madras Veterinary College — Non-Technical Staff





Madras Veterinary College — Basic University employees

**ACTIVITIES OF VARIOUS DEPARTMENTS
OF THE COLLEGE**

1. Historical Background :

The importance of a study of Agronomy springs from the fact that fodder production is an integral part of animal husbandry. A study of the principles of Agronomy or the management of soil and crop provides an over all picture on soil, climate, water and human resources. Further, the integration of these resources for the production of crops either for human need or to feed the animals in a region and under a socio-economic system, warrant the study of Agronomy. The study of the management of soil and crop also gives the social consciousness on the various problems related to crop production like physical, economical, organizational, socio-cultural and knowledge factors. Therefore, this department came into existence since the introduction of the degree of B.V.Sc. A full time lecturer with two Assistant Lecturers were working formerly. At the present, a new post of Associate Professor of Agronomy was created besides two post of Assistant Professors and one post of Research Associate already existing.

2. Present Staff :

1. Dr. A. Rajagopal, M. Sc. (Ag.), Ph. D.
—Associate Professor & Head.
2. Two posts of Assistant Professors are vacant at present.
3. Thiru. R. Balasubramanian. M. Sc. (Ag.)
—Research Associate.

3. Activities :

The department of Agronomy offers two courses under the Trimester system to the First and Third year students of B.V.Sc. degree course each.

The syllabus is so formulated as to provide basic knowledge on the principles of Agronomy with an over-all picture on the basic Agricultural resources of the country. Cultivation of annual, perennial and tree fodders including fodder conservation are being taught to the students.

4. Research :

At the present, research projects are being proposed in order to solve the problems confronting the farming communities. To start with two projects have been chosen by this department.

New projects on the utilization of non-edible straws as animal feed, production potential studies with perennial and annual forages, weed control studies on fodder crops and selection of suitable legumes for east coast region will be taken up in due course.

5. General :

The department of Agronomy is now mainly concerned with teaching. Its activities will be extended to cover various problems relating to Fodder production. Further, demonstration of improved fodder varieties especially perennial trees will be undertaken at the Farmers holdings.

The earliest known mammals were shrew-like creatures which lived about 190 million years ago, but practically nothing is known about their history; their remains were first discovered at *Thapa-ea-Litau, Lesotho* in 1966.

DEPARTMENT OF ANATOMY

Historical Background :

The Department of Anatomy is one of the oldest departments of the college since its inception in the year 1903.

The main building consisted of a large hall, which served both as a lecture hall and dissection theatre, with an adjoining hexagonal room, which was used as staff cum store room and another injection cum specimen room. The new block with a ground floor providing for post graduate hall and separate dissection theatre and staff rooms and a first floor with a students histology laboratory and a staff laboratory was taken over in 1961.

The subject Anatomy, including histology and embryology was taught in the first and second years of the Veterinary Course, till the introduction of the preprofessional course as the I year of the B.V.Sc. course, when Anatomy was shifted to the second and third years. With the introduction of the new regulations of the B.V.Sc. course, Anatomy was taught in the second year only and now under the Agricultural University, the subject is being taught in the II B.V.Sc., spread over three trimesters.

From 1903 to 1929, the horse was the type animal taken up for detailed study and comparative features of the ox and dog were also included. In 1930, the ox was taken up as the type animal for detailed study with comparative features of the horse and dog and in 1936, the comparative Anatomy of the domestic fowl was added to the curriculum for the undergraduate or B.V.Sc. classes.

The department was recognised for postgraduate degrees by the Madras University and 3 staff members took M. Sc. degree by research and thesis. In 1960, the postgraduate course leading to M.V.Sc. degree with Anatomy as main and surgery and obstetrics as subsidiaries was introduced and till date 21 candidates have taken the M.V.Sc. degree in Anatomy and most of them are now holding high positions or acting as heads of Department of Anatomy in other Veterinary Colleges in India.

Present Staff :

At present the department is headed by a Professor. It has a sanctioned strength of one Associate Professor and 5 Assistant Professors. The Professor Dr. V.K. Seshadri had been in this department from 1956 and has acted in various capacities in this department. He took charge as Professor on 5-9-79 and is continuing.

1. Dr. A. Venkatakrishnan, Asst. Professor.
2. Dr. M. Chandran, „
3. Dr. E. Kandavel, „

One of our Asst. Professors Dr. G. Kannamani, who had been working since 1961 in this department in various capacities passed away after brief illness in the early hours of 23rd January 1980.

Activities :

The department is concerned with teaching the subject of Anatomy including histology and embryology to undergraduate students of the B.V.Sc. course and postgraduate students. The department has also taken up research projects carried out by the teaching staff and by the postgraduate students as part of the requirements for their degree.

Research :

Dr. H.N. Chelva Iyengar who was in charge of the department until 1946, was responsible for the early growth of the department and had published 47 articles compiled in the form of an ICAR monograph. Dr. D. Mariappa, successor to Dr. Chelva Iyengar, took his M.S. degree from Kansas (U S A) after his G.M.V.C. from this College and was in charge of the department from 1946 to 1969. He had published a series of 11 articles on the Anatomy of foetal Indian elephant in addition to 12 articles on other topics.

24 Research papers have been published in addition to those mentioned above by other staff members from this department.

3 Theses, for M.Sc. and 21 dissertations for M.V.Sc. degree have been presented from this department.

Research projects have been also undertaken by the staff members from the year 1970, in addition to the teaching work and these were presented to the Research Council at Madras Veterinary College. It is noteworthy that most of the above research projects were on study of Anatomy and Histology of the various organs of the Indian buffalo.

General :

This department has an anatomical museum with a large number of wet specimens of organs, special dissections, foetuses, monsters of different species of animals.

The department is equipped with a photographic unit and the teaching staff have prepared their own teaching aids in the form of projection transparencies, multi-coloured diagrams for use with overhead projectors, in addition to the traditional special dissections used for demonstration. The department has been responsible for preparation of the printed lecture notes in two volumes including histology and embryology, a special dissection guide for the ox and a laboratory record for histology and embryology. This is also a special feature as no standard text book with ox as the main type is as yet available.

— O —

The largest pig ever recorded was 'Big Boy' a hog bred by B. Liles and H. N. Sanders of Black Mountain, North Carolina, USA, which recorded a weight of 863 kg. on 5 Jan. 1932.

The smallest breed of pig is the *Maniature Japan*, a long-haired black species bred by Hiroshi Ohmi of the Tochigi Prefecture. Mature specimens average 51 cm in length and weigh about 30 kg.

The largest living terrestrial animal is the Africal bush or Savannah elephant (loxodonta africana – africana). The average adult bull stands 3.20 m (10ft 6 in) at the shoulder and weighs 5.6 tonnes. The average adult cow is much smaller, standing 2.59 m (8ft 6 in) at the shoulder and weigh about 2.5 tonnes.

DEPARTMENT OF ANIMAL DISEASE INVESTIGATION AND CONTROL

The department of Animal Disease Investigation and Control has started functioning from 3-9-79 AN with one Professor and two Associate Professors.

With the manifold spurt in the activities of Livestock and Poultry Development due to rapid expansion there is enormous development of Livestock and Poultry. Because of the altered approach in the managerial practices the patterns of Animal Diseases are also changing depending upon the ecological imbalance. Many outbreak of diseases, possibly emerging diseases and endemic diseases with a altered profile are expected. It is therefore necessary that a multi disiciplinary facility is made available to diagnose the disease early and to chalk out eradication programmes.

This involves investigation by specialists trained in the particular branches who would be able to use the sophisticated techniques and gadgets for efficient and quick diagnosis and control. Sufficient laboratory facilities and the equipments required are available at Madras Veterinary College. These include tissue culture facilities for microbiological examination, facilities for histopathological studies, facility to study the biology and bionomics of parasites, facility for design and operation of preventive measures as well as facilities for toxicological research. The equipments include Electron microscope, Fluorescent microscope, Amino-acid Analyser, Cryostat, Auto-technicon & Refrigereted centrifuges. With such existing facilities this department has been ushered in;

- 1 To co-ordinate desease Investigation work and to implement control measures.
- 2 To promote and co-ordinate research on emerging infectious diseases both in natural and experimental conditions.
- 3 To offer expert guidance to the various livestock and poultry farmers to tackle the disease problem in their farms.
- 4 To test birds in Government and Private farms for Salmonellosis and Avian Respiratory Mycoplasmosis (PPLO).
- 5 To test animals for T.B., Johne's disease, Brucellosis in Goverment and Private Farms.
- 6 To Investigate outbreak of diseases in Government and private farms and to suggest control measures.

Present staff :

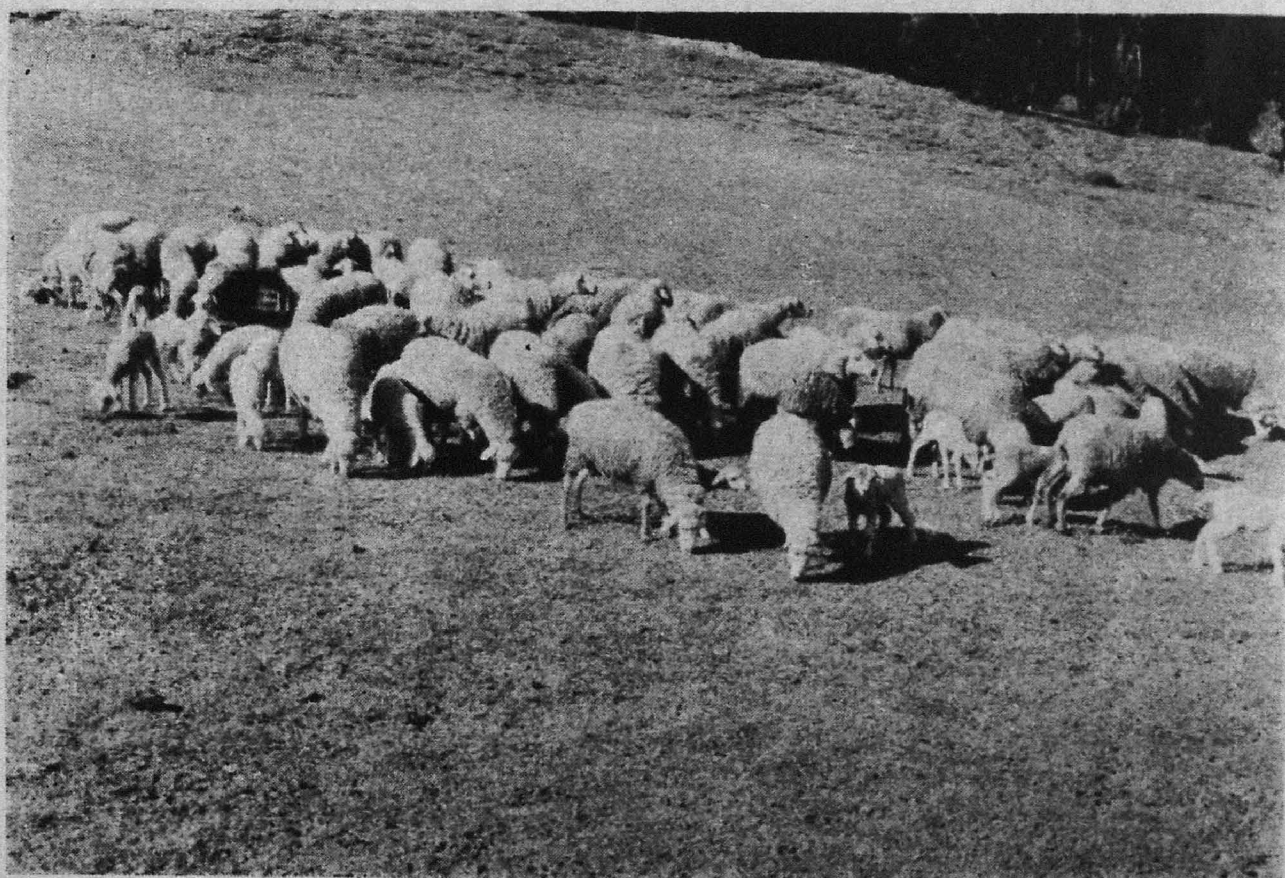
Dr. P. Mahalingam M.v.sc.	Professor and Head
Dr. R.A. Venkatesan Ph.D.	Associate Prof.
Dr. G.A. Rahamathulla khan M.v.sc.	„
Dr. V.S. Gajapathi M.v.sc.	Assistant Prof.

Within a short span of time eversince it started functioning there had been a sizable number of outbreak of diseases in all classes of animals such as bovines, ovines, caprines, canines, felines, Venomous and rare snakes like Black Cobra, Russel viper, Rattle snake, King Cobra and Zoo animals like Hippopotamous etc. Apart from investigating into the prevalence of various diseases, diagnosis of chronic diseases such as tuberculosis, Johne's disease, Brucellosis have also been done advocating suitable measures of control.

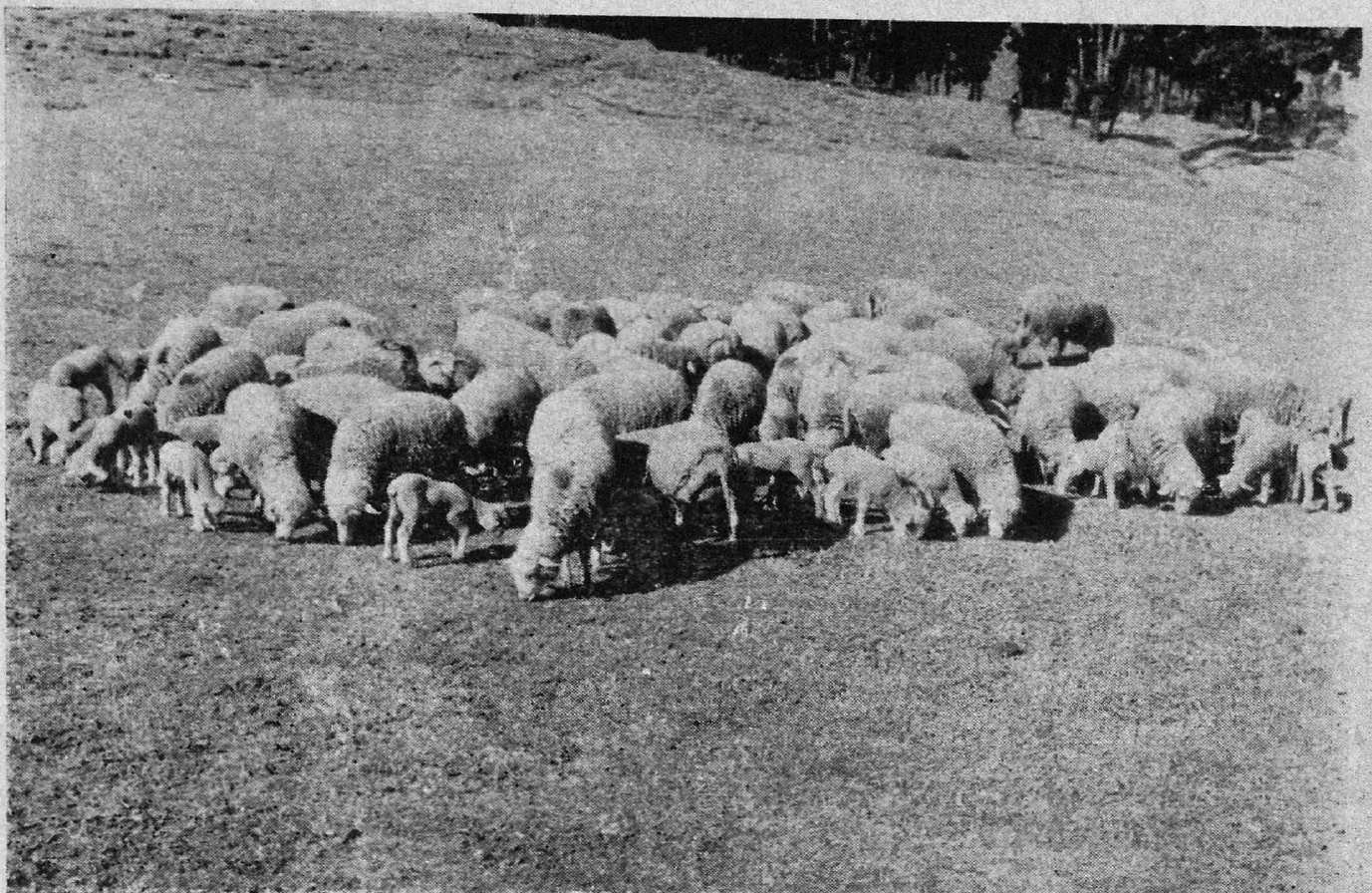
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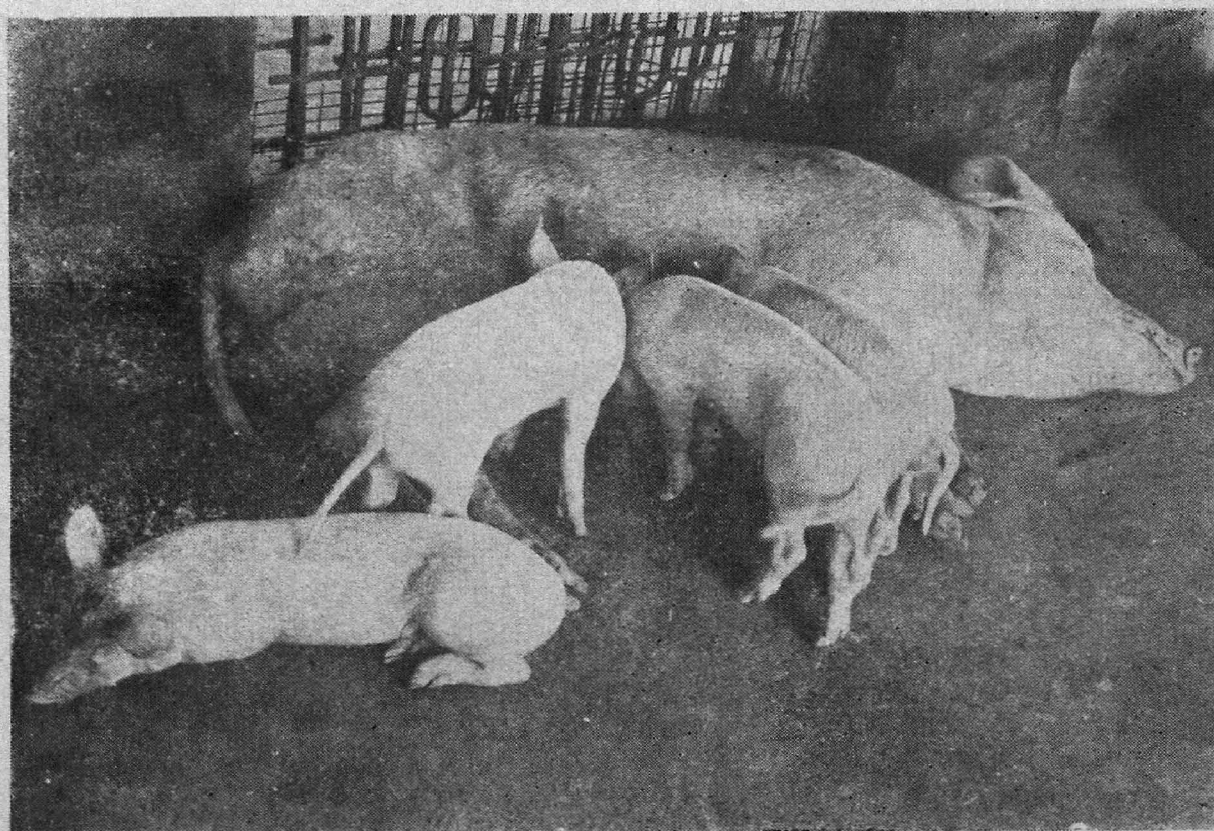
Merino Flock — Ewes and Lambs grazing



Nilagiri Sheep — Ewes and Lambs



Merino x Nilagiri Cross — Ewes and Lambs



Large White Yorkshire — Sow with Litter

DEPARTMENT OF ANIMAL HUSBANDRY (HYGIENE, CARE & MANAGEMENT)

Historical Background :

This is one of the oldest departments dating its origin from the year 1903 when it was teaching care and management of livestock, nutrition and genetics. In 1946, when diploma courses were abolished, radical changes were brought about in the then composite department of hygiene to have separate departments as Dairy Science, Genetics and Nutrition. The department was also teaching poultry management until 1970 when a separate department of Poultry Science was started. At present, apart from handling Hygiene, care and management of animals, the department has separate wings to specialize and teach in Animal husbandry economics, Bio-engineering and Zootechny.

Present Staff :

Professor and Head

Dr. S. Shanmugasundaram

Associate Professor

Dr. S. Syamasundaram

Assistant Professor

Dr. R. S. Viswanathan

Dr. M. Thiagarajan

Dr. P. N. Padmanabhan

Dr. R. Prabakaran

Dr. M. K. M. Chandersingh

Dr. R. Jayakumar

(Four Assistant Professors Vacant)

Activities :

The department has so far produced two Ph.D. by research, 29 M.V.Sc since 1964 and around 120 undergraduates every year. For undergraduates, the subject is now being taught in the third year and in the revised syllabus in the first, second and final years. Students are being given practical training in this subject for 45 days in one of the livestock farms of the state.

Research :

11 Research projects have been completed by this department so far and 16 such projects are now running. 32 research articles have been published till date by the staff of this department in various research journals of international repute on the findings of various studies conducted in the field of animal management.

General :

A Model Dairy Unit to carry out economic studies is being maintained by this department since 1974 and daily about 100 litres of milk is produced which is transferred to the Dairy Science department for processing.

Latest techniques and findings are published in the form of popular articles numbering 71, so far, both in English and Tamil.

Hand - outs and pamphlets on housing of livestock are prepared and disseminated to the needy public.

"THE GREATEST RELIABLE AGE RECORDED FOR A HORSE IS 62 YEARS IN THE CASE OF 'OLD BILLY' (FOALED 1760) BELIVED TO BE A CROSS BETWEEN CLEVELAND & EASTERN BLOOD. IT DIED ON 27 NOV. 1822. THE SKULL OF THIS HORSE IS PRESERVED IN THE Manchester Museum AND HIS STUFFED HEAD IS NOW ON DISPLAY IN THE BEDFORD MUSEUM."

Historical Background :

The subject, Animal Genetics was originally taught under Animal Hygiene. It was in the year 1949 a separate Animal Genetics department was formed with Dr. M. Dharmarajan, as Head of the Department of Animal Genetics. This is one of the few departments, which provided facilities for doctoral research, even from early fifties

Present Staff :

Dr. U.S. Krishnamurthy	Professor and Head
Dr. V. Ulaganathan	Associate Professor
Dr. P. Subramanian	„
Dr. B.M. Easwaran	„
Dr. S. Venkatasubramanian	„
Dr. A.R. Krishnan	Assistant Professor
Dr. A.J. Austin Stephens	„
Dr. K.S. Raman	„
Dr. M. John Edwin	„
Dr. P. Kanakaraj	„
Dr. P. Thangaraju	„
Dr. S. Balachandran	„
Dr. J. Kalatharan	„
Dr. V. Thiagarajan	„

Activities of the Department :

The subject Animal Genetics and Breeding, is taught to the final year B V.Sc. students. The Post graduate course, under traditional system commenced in 1958 and under timester system during 1977. The Ph.D programme under trimester system commenced during 1978. Eight research scholars have qualified for Ph.D. and fifty four for Master's degree to date. Field officers are trained in frozen semen utilisation as a regular programme. The following are the salient features of different sections.

1. *Drosophila* genetics : This laboratory is one of the recognised centres in the world, maintaining different mutant strains of *Drosophila*. This laboratory caters to the needs of various city colleges and research centres in India, for conducting research, by supplying mutant strains.

2. *Cytogenetics* : This section is well equipped for chromosomal studies in human patients and animals, suspected for various genetic abnormali-

ties, like mental retardation. Sterility and sex anomalies are referred to this laboratory for chromosomal analysis. This laboratory serves as a genetic counselling unit.

3. *Biochemical and immunogenetics* : Extensive studies are being carried out in this section on biochemical polymorphism and its association with economic traits in indigenous and exotic breeds of sheep and cattle to aid early selection of farm animals.

4. *Biometrical genetics* : The section is equipped with data processing equipment, for processing and analysis of voluminous farm data received from livestock farms and guides animal breeding programmes. This serves as a centralised bureau of records and also trains farm workers in maintenance of farm records.

5. *Artificial Breeding Section* : A frozen semen bank with a liquid nitrogen plant and a mobile Artificial unit is maintained for storing and propagation of superior germplasm from proven sires.

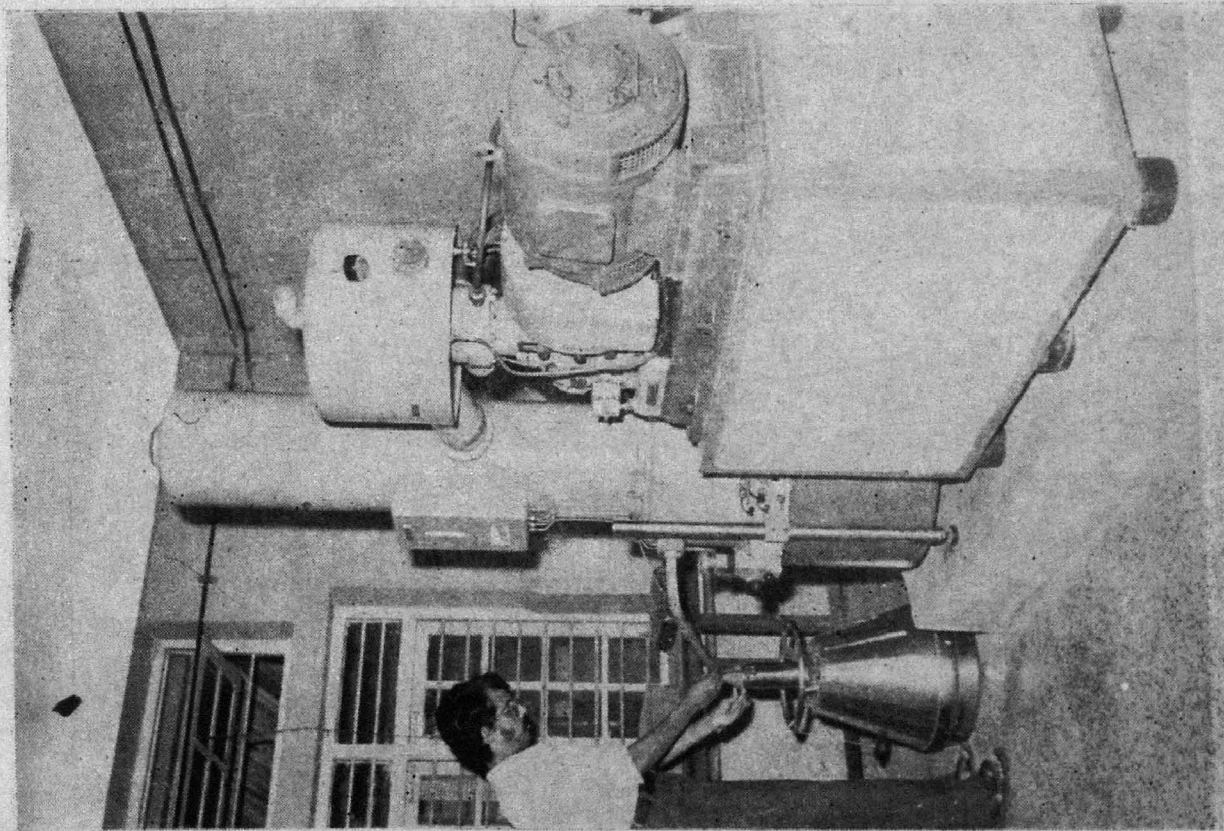
Research :

Pioneering work on mutagenesis induced by chemicals, alkaloids and drugs has been carried out in *Drosophila*. Karyotyping of cattle and buffalo chromosomes are carried out in cytogenetics section. The researches in biochemical and immunogenetics are expected to aid in selection of superior animals and culling of undersirable ones at a very early age, as some biochemical characters are found to be related to production traits. Extensive research is being carried out in a development of semen extenders for liquid and frozen semen of different species. Twenty four research projects are in operation in the department.

General :

A new egger strain in poultry 'Meyer strain' suited to the agro-climatic conditions of Tamil Nadu, was evolved by this department. This department has established a 'Dairy Herd Improvement Association' in Madras and its neighbourhood.

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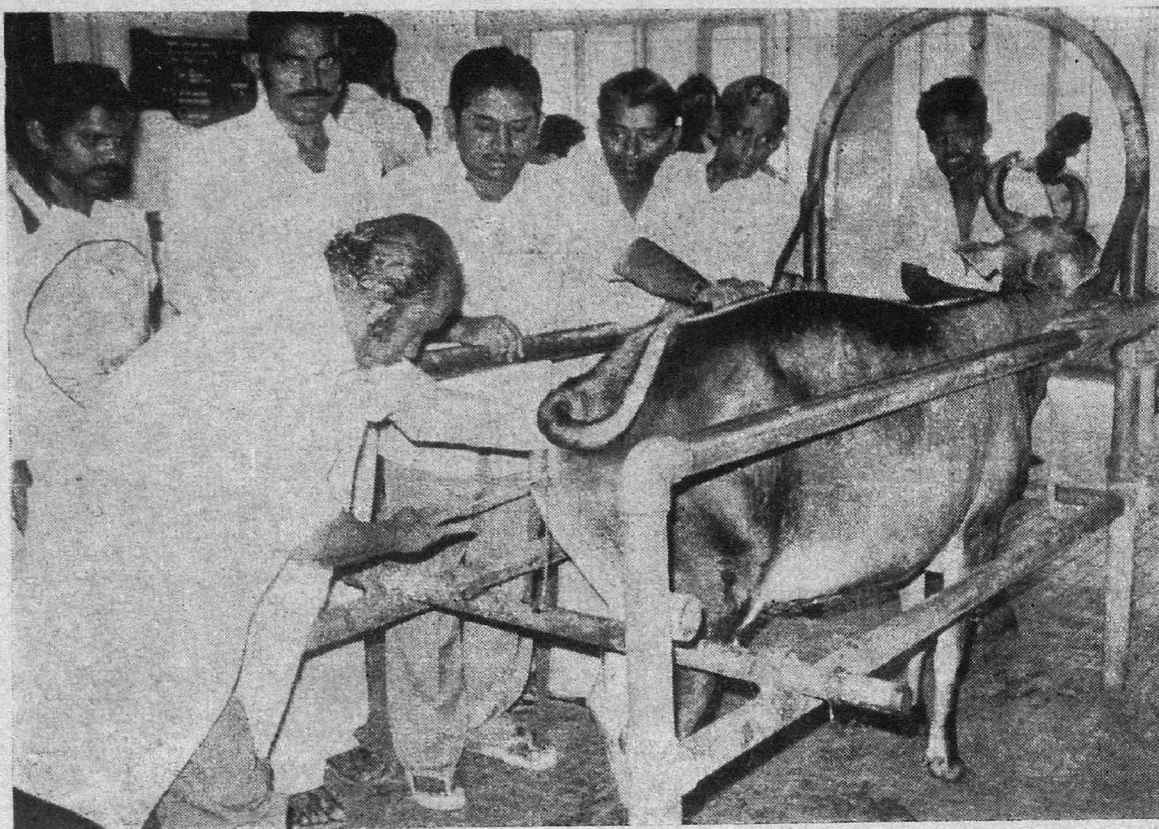


Liquid Nitrogen Plant — Plant used for producing liquid nitrogen required for freezing and preservation of semen.

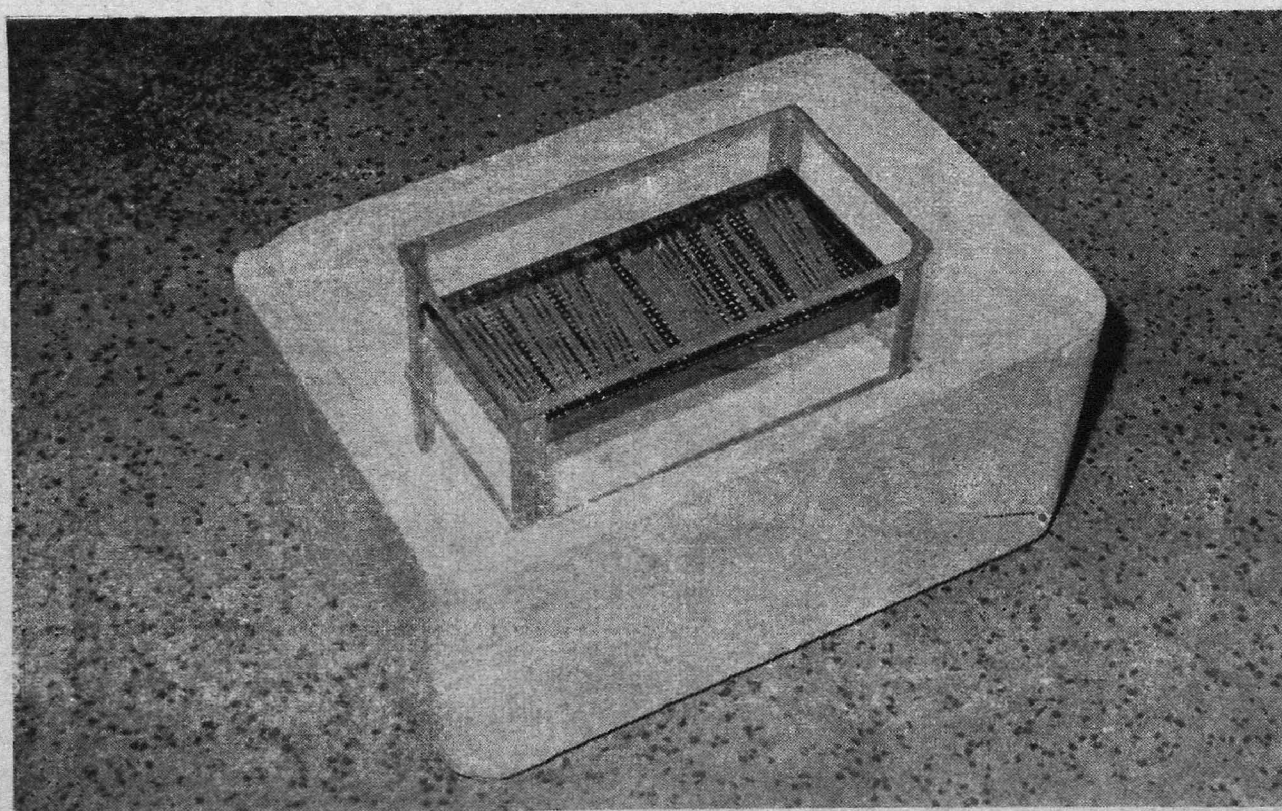


Liquid Nitrogen Containers — Special containers used for preserving frozen semen at -196°C





Artificial Insemination with frozen semen



Field freezing unit — Simple, economical unit designed in the College for freezing of bovine semen

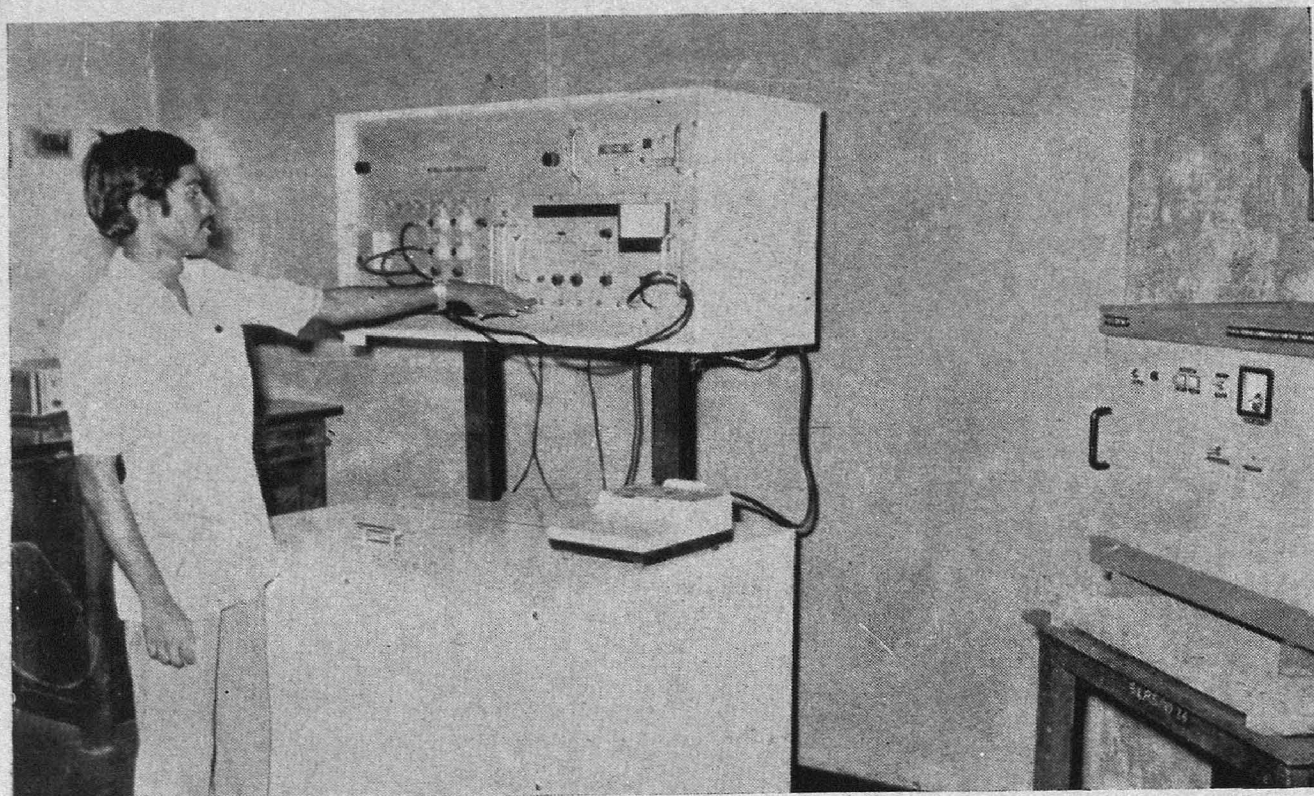


Hygiene — Murrah buffalo herd at the L. R. S. Kattupakkam

14 MAY 198



Hygiene — Corriedale Crooss Sheep at L. R. S. Kattupakkam



Liquid Scintillation counter



Semen Bank and Liquid Nitrogen Plant

Historical Background :

The department of Animal Nutrition was created on 17.1.51 with necessary staff. When the college was upgraded into a Regional post-graduate Research Institute in 1958, Animal Nutrition Department was selected to offer course leading to the degree MVSc. (AN) affiliated to the University of Madras. In 1978, Ph.D. programme (Trimester pattern) in Animal Nutrition was started.

No. awarded Masters Degree....57

No. awarded Ph.D. degree ... 2

Present Staff :

- | | |
|-----------------------|---------------------|
| 1. Dr. P. Ayyaluswami | Professor and Head |
| 2. Dr. R. Kadirvel | Associate Professor |
| 3. Dr. J. Ernest | Assistant Professor |
| 4. Dr. V. Jagannathan | „ |
| 5. Dr. R. Vijayakumar | „ |
| 6. Dr. V.S. Jayaraman | „ |
| 7. Dr. G. Thulasi | „ |

Research undertaken since 1978

1) The use of cashew kernel cake in chick mash :

From the observations made, it is apparent that 100% replacement of Ground nut cake with cashew kernel cake does not promote growth in white leghorn chicks effectively. Feed efficiency does not show any difference between control and 50% replacement groups.

2) The feeding value of raw and par-boiled rice bran in chick mash :

Raw rice bran was found to be better than boiled rice bran. Raw rice bran group seemed to have a better feed efficiency in chicks than control and boiled rice bran groups.

3) Investigations on the nutritive value of Uthi (*Odina nodier*) when fed as a sole feed for goats :

Investigations were conducted to determine the nutritive value of Uthi (*Odina nodier*) as green fodder, when fed as a sole feed for bucks.

Palatability was not affected as indicated by the average dry matter intake of 3.30 kg per 100 kg. body weight.

Average digestibility coefficients obtained for dry matter, crude protein, crude fibre, ether extract and Nitrogen free extract were 52.61, 23.36, 47.3, 30.9, 58.93 respectively.

4) Salinity and total hardness of drinking water on chick growth (MVSc. thesis 1979).

Two experiments were conducted with chicks from 0-4 weeks of age to determine the effect of salinity and hardness of water on their growth and feed efficiency. Rhode Island Red and Rupali (hybrid) chicks can tolerate salinity upto 4500 ppm and total hardness upto 450 ppm without adversely affecting growth. At levels higher than this the chicks suffered reduction in growth rate, poor feed efficiency and mortality. Mortality was heaviest (77.5%) in the group receiving 9000 ppm of sodium chloride while only 7.5% recorded at 6000 ppm level. Based on the findings of these two experiments the tolerance limit for salinity in drinking water may be fixed at 4500 ppm.

5) Utilisation of urea in stall fed kids :

A study to assess the possible use of urea in the practical rations for kids, was carried out. Six kids aged about 4 months were randomly distributed to three groups of two each. Group I served as control, Group II received a ration containing 0.25% of urea and the Group III received a ration containing 0.50% urea in the total ration. All these rations were isonitrogenous and a balance trial was conducted to study the efficiency of N utilisation.

It is concluded that adaptation to urea by the kids (aged about 4 months) is comparatively low.

Special achievement :

1) Four ICAR. schemes were formulated implemented and successfully completed with financial assistance from ICAR.

2) Isotope laboratory has been established.

General :

1) Nine students have registered for Ph. D. degree in Animal Nutrition

2) Analysis of samples received from various sources are being done.

BIO-ENGINEERING SECTION

Historical Background :

The Bio-engineering Section was established during 1974, with the object of giving teaching to the Veterinary students in farm machineries and engineering connected with the animals. There were one Assistant Engineer (Mechanical) and one Engineer (Civil) for that purpose.

But after the College was merged with the University, this has been given up since the Civil and Mechanical Engineers sent back to their department.

Staff Pattern :

Technical
One Assistant Executive Engineer
Two Assistant Engineers and
One Draftsman – Gr. II.

with supporting staff of 2 Assistants and one Store-keeper.

Activities :

All the major constructions and maintenance including Electricity in respect of Madras Veteri-

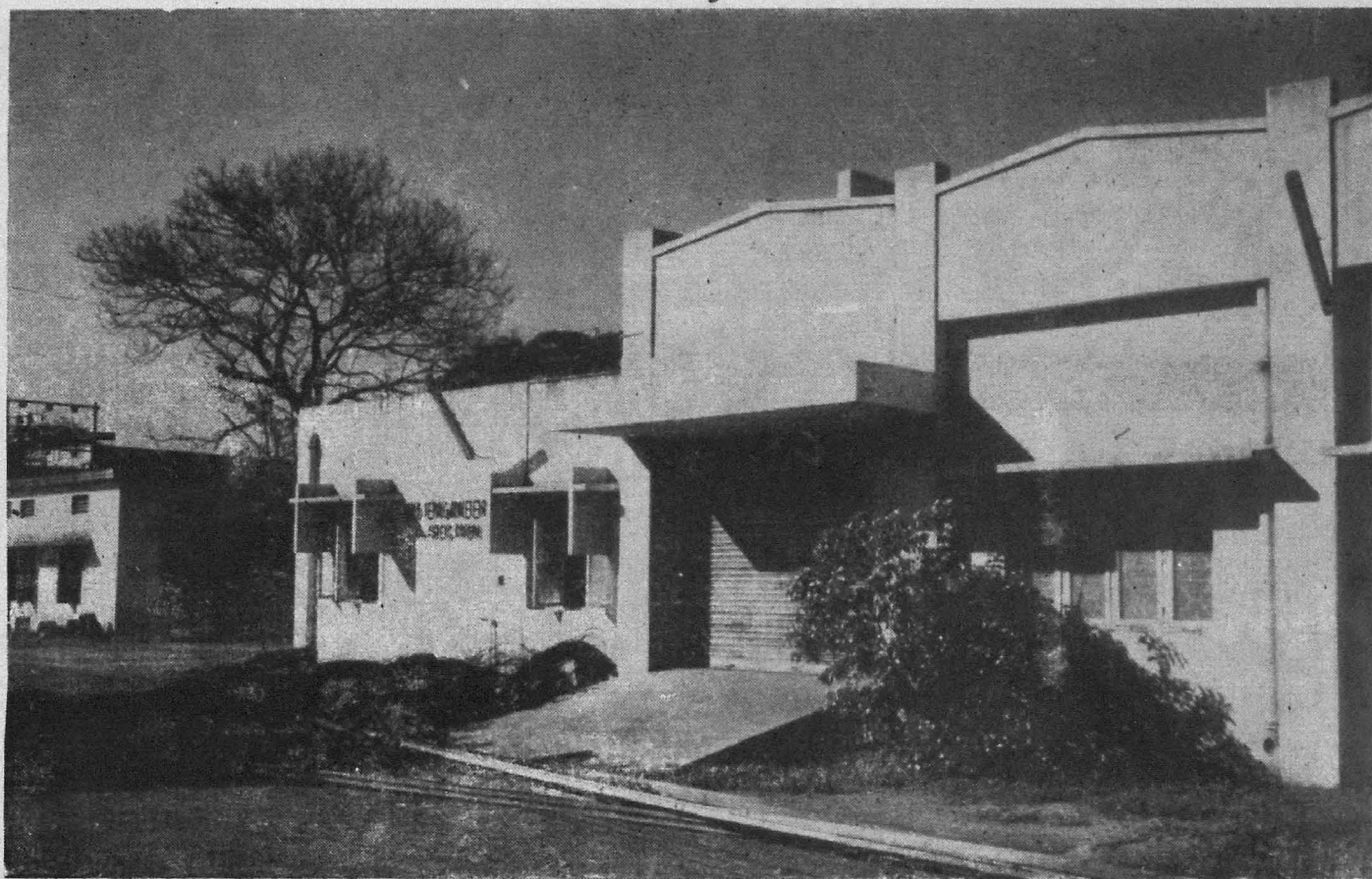
nary College; Poultry Research Station, Teynampet; Livestock Research station, Kattupakkam; K.V.K. Pondichery and C.R.S. Virudachalam are carried out by this section.

Further the motor vehicle in Madras Veterinary College is also maintained by the Assistant Executive Engineer. After the merger of the University, the construction of two major buildings in Madras Veterinary College (i.e.) Teachers Hostel and Staff quarters to a sum of Rs. 10 lakhs have been completed.

One major building viz. construction of Microbiology building with an estimate cost of Rs. 12 00 lakhs is under progress. At Poultry Research Station, Teynampet one Guest House with an estimate of Rs. 3 lakhs has been constructed. At Kattupakkam, one Laboratory building & cattle shed has been constructed.

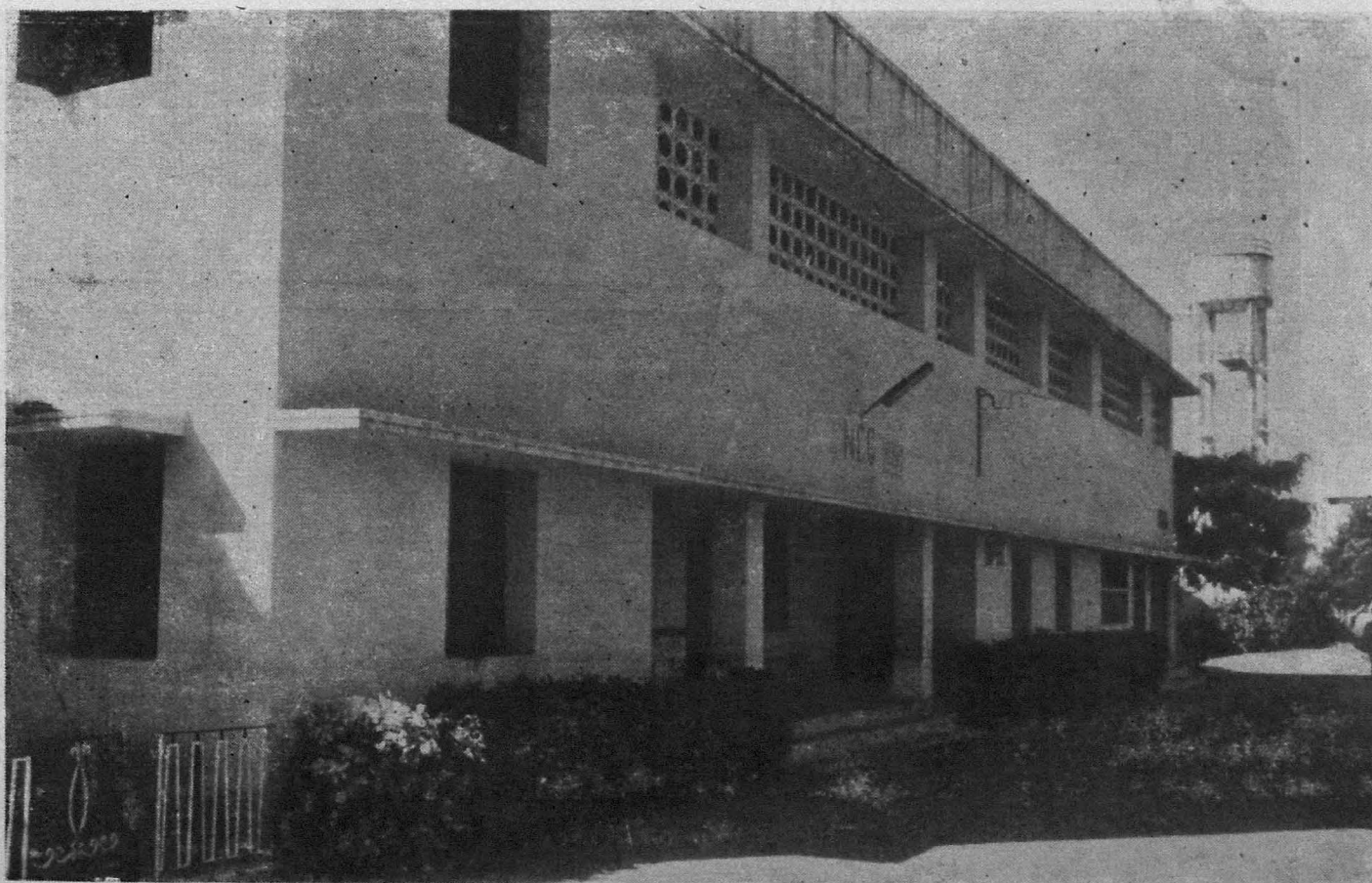
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“THE SMALLEST LIVING MAMMAL EXCLUDING BATS IS SAVI'S WHITE - TOOTHED PYGMY SHREW (*Suncus Etruscus*), ALSO CALLED THE 'ETRUSEAN SHREW', WHICH IS FOUND ALONG THE COASTS OF THE NORTHERN MEDITERRANEAN AND SOUTHWARDS TO CAPE PROVINCE, S. AFRICA. MATURE SPECIMENS HAVE A HEAD AND BODY LENGTH OF 36-52mm (1.32-2.04 IN), A TAIL LENGTH OF 24-29mm AND WEIGHT 1.5 - 2.5 g. SOME IDEA OF THIS CREATURE'S MINUTE SIZE CAN BE GAUZE BY THE FACT THAT IT CAN TRAVEL THROUGH TUNNELS LEFT BY LARGE EARTH-WORMS ”.

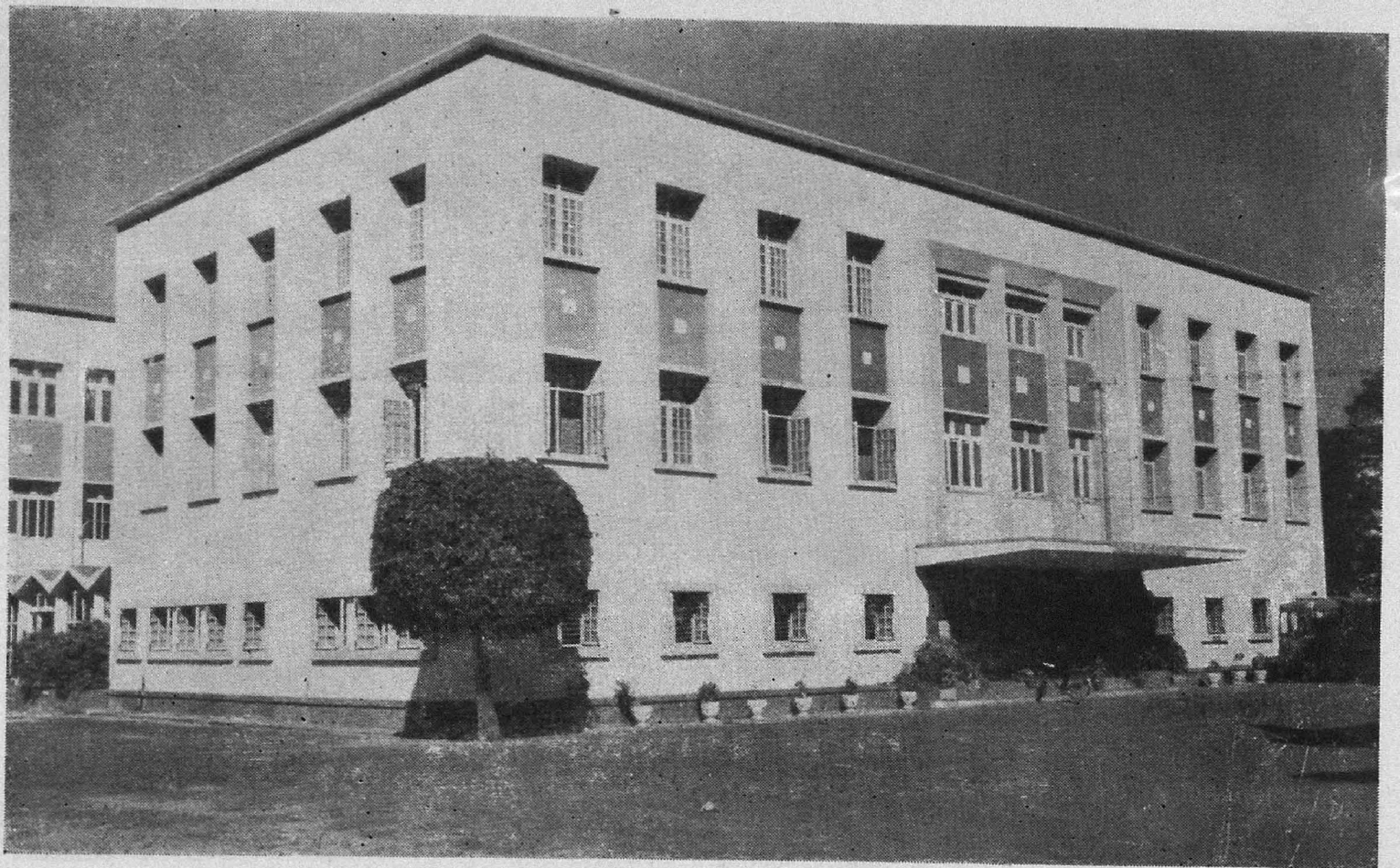


Bio-Engineering Building

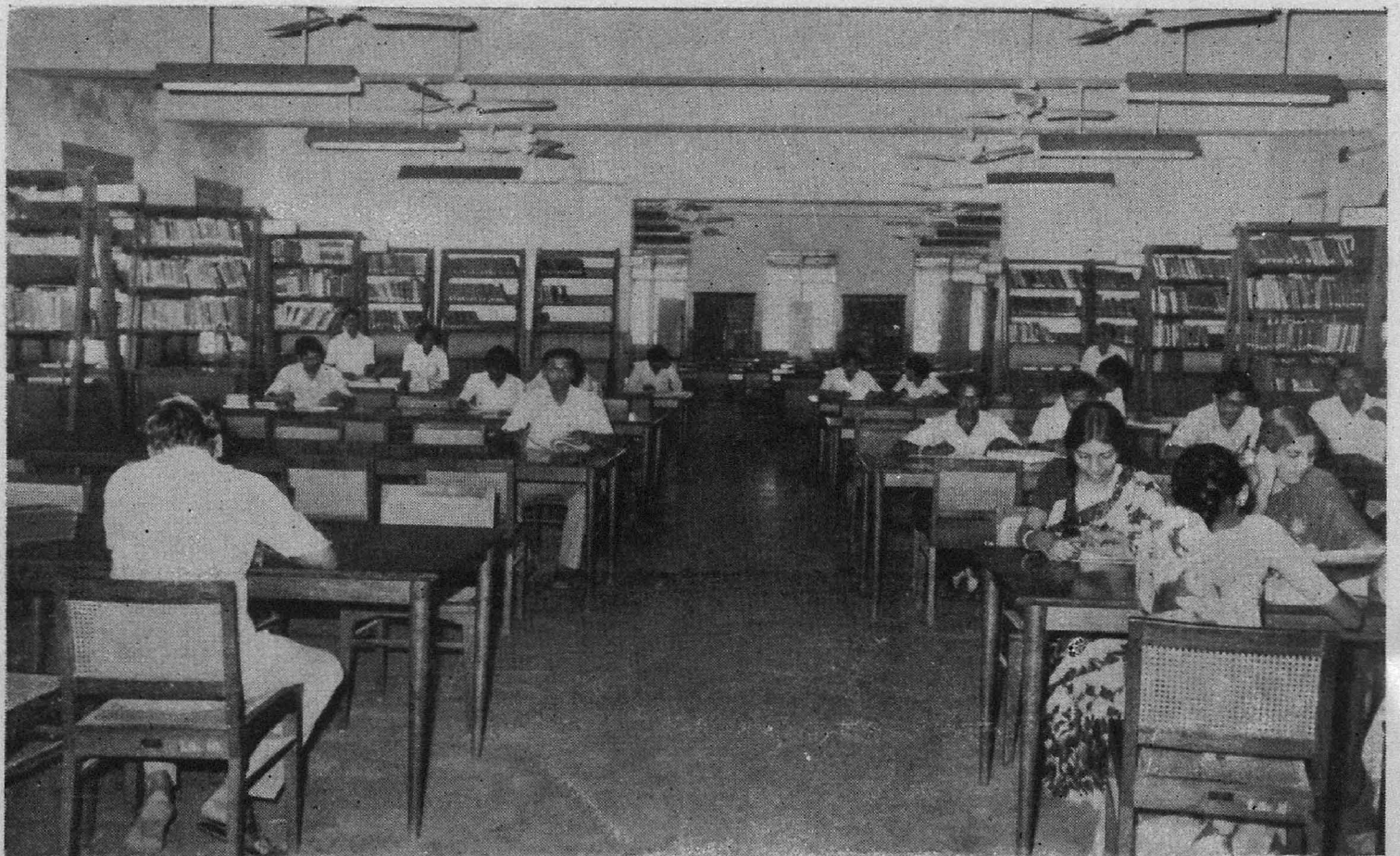
14 MAY 1981



N. C. C. Block and College Canteen



Clinical Block with Laboratories



Inner view of Library

Historical Background :

Students of Veterinary Science in order to study and understand the Professional subjects require a basic knowledge of the fundamental Sciences. With the introduction of the BVSc. Degree and the affiliation of the Madras Veterinary College to the University of Madras, the need for greater stress on the biological sciences of Zoology and Botany and necessity for a full year's intensified training in subjects came to be felt. Therefore this department came into existence in July, 1936. A full time Lecturer in Biology was appointed and the teaching of the subject at University level was commenced. The syllabus was adjusted to provide a good knowledge of the Principles of Biology with emphasis on the applied aspects. To provide for the needs of teaching, necessary steps were taken to build a collection of museum specimens, laboratory equipment and teaching aids.

Present Staff :

Tmt. Minnie R. Fredrick	Associate Professor & Head
Tmt. S. Rajalakshmi	Assistant Professor
Thiru J. Venkatakrishnan	-do -
Tmt. A. Vilasini	-do -
Tmt. Devaki Theogarajan	-do -

Activities :

This department is concerned with the teaching of Biology (both Botany and Zoology) to the First year students of B.V.Sc. Degree Course and in Research work. This department offers three Courses, one in each trimester, to the First

year students of BVSc. Degree Course. The Courses offered are :

- 1) Biol. 111. General Botany 1 + 1
- 2) Biol. 121. Zoology (Invertebrata) 1 + 1
- 3) Biol. 131. Zoology (Vertebrata) 2 + 1

The syllabus is so formulated as to provide basic knowledge of the Principles of Botany and Zoology with special emphasis on the applied aspects. This department is also helpful in identifying plant specimens and animal materials that require investigation in the diagnosis of cases in clinical department and in the post-mortem room.

Research :

Besides teaching, this department is also engaged in research work. Problems pertaining to fundamental research with an emphasis on the applied aspects have been chosen for our work. To start with four projects have been chosen by this department for study.

General :

Though this department is engaged in teaching basic sciences like Botany and Zoology, it has taken up research projects on applied sciences with the ulterior motive of helping the farming community. The research projects now under operation have application on Agricultural and Veterinary Sciences. The research activities of this department will be extended to Fishery Sciences also.



DEPARTMENT OF CLINICS

Historical Background :

Madras Veterinary College Hospital is located in the campus of Madras Veterinary College. It comprised the following units.

1. Large Animals Clinic

- a) Medical unit
 - i) Out-patient
 - ii) Small Hoofed Mammals Clinic
 - iii) In - patient.
- b) Surgical Unit
 - i) Out-patient
 - ii) In-patient
- iii) Radiology and Physiotherapy unit.
- c) Gynaecology and Obstetrical unit
 - i) Out patient
 - ii) In patient
 - iii) Insemination

2. Small Animals Clinic

- a) Medical unit
 - i) In-patient
 - ii) Out patient
- b) Surgical unit
 - i) In-patient
 - ii) Out patient

The staff of the departments of Therapeutics, Preventive Medicine, Surgery and Gynaecology and Obstetrics were in-charge of the respective sections of the hospital. The clinics were centres of clinical teaching and Research for both undergraduates and post-graduates. The daily average attendance ranged from 270-305. Because of the abundance of clinical materials it is considered as the best Veterinary Institution in India and for Eastern countries. Since the need for specialised clinical service for the public and improved facilities for the clinical teaching and Research was acutely felt, the different hospital sections were integrated and started functioning as Department of Clinics with a Professor of Clinics as head of the department from 5-9-1979.

Present Staff :

The staff members of the Clinics are detailed.

Professor and Head : Dr. T. M. Thangaraj,

Associate Professor : Dr. S. A. Quyum,

do . Dr. M. S. Gopal,

do - Dr. P.A. Balu,

Assistant Professors : Dr, V. N. Seshagiri

Dr. K. Ameerjan

Dr. A. E. Lazarus

Dr. N.N. Balasubramaniam

Dr. G. Parthasarathy

Dr. Neduncheralathan

Dr. Archibald David

Dr. V. N. Appaji Rao

Dr. A. Bindu Madhav

Dr. Stanislaus Antony

Activities

The department of Clinics is incharge of all sections of Madras Veterinary College Hospitals. The hospital units are open to the public from 7-30 a.m. to 10-30 a.m. when routine cases are treated. Emergency cases are attended to throughout the day night. Ambulance service for large and small animals is also available for the transport of ailing animals. Artificial insemination and treatment of sterility and infertility cases are daily done as a service to the dairy industry and individual animal owners to breed high yielding milk cattle.

Research Activities

Timebound research projects have been drawn up in matters relating to diagnosis and treatment of animal diseases. All the staff members have each taken up individual projects for investigation and research. The work is in different stages of progress.

General

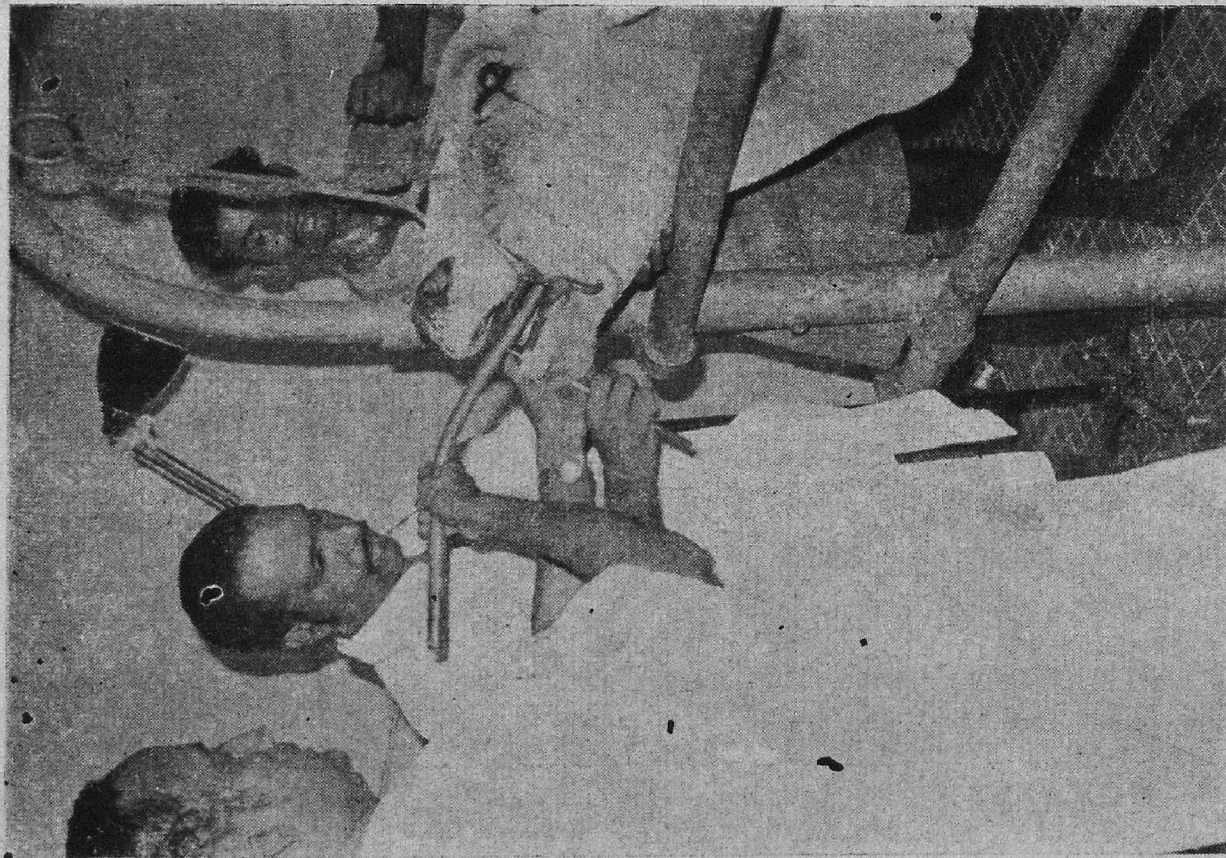
Ambitious programmes towards the expansion of existing facilities for both public service and research activities are in progress.



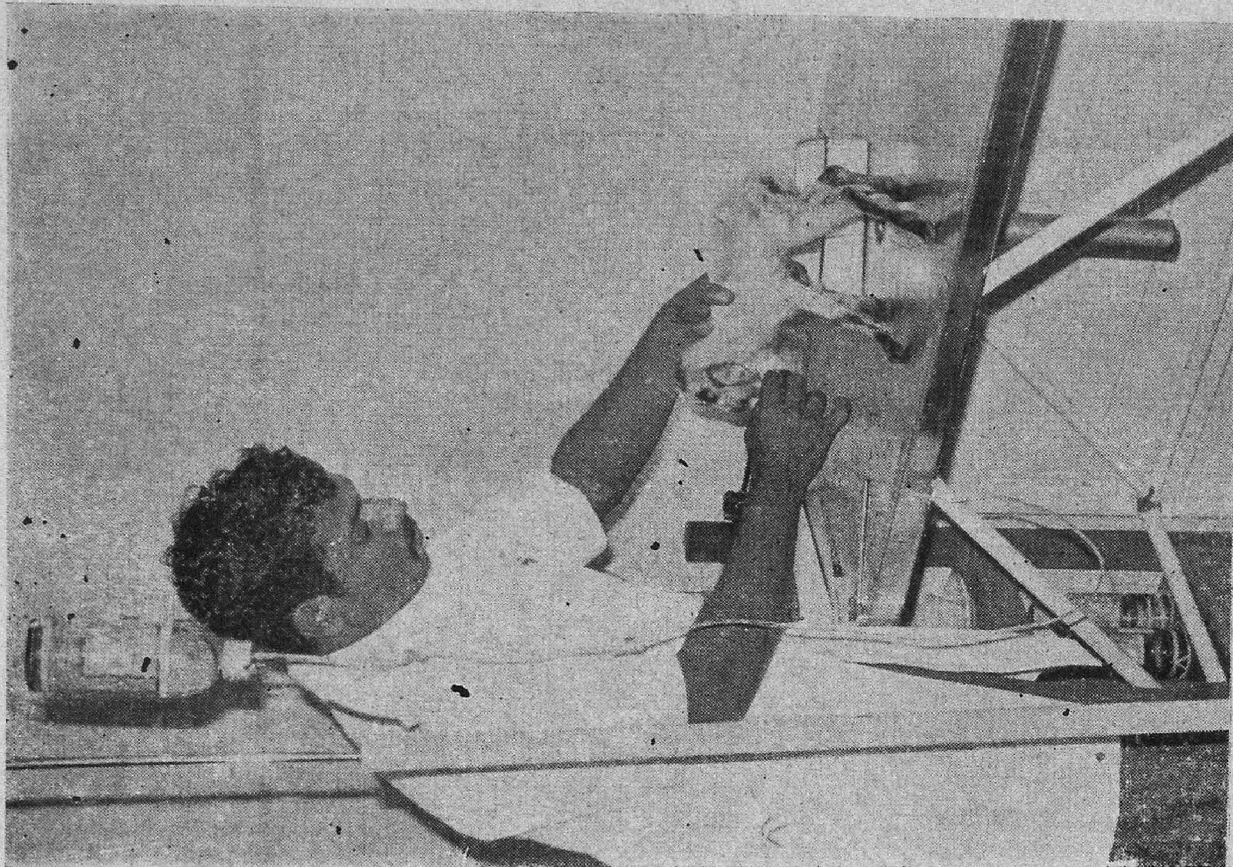
New Clinical Complex



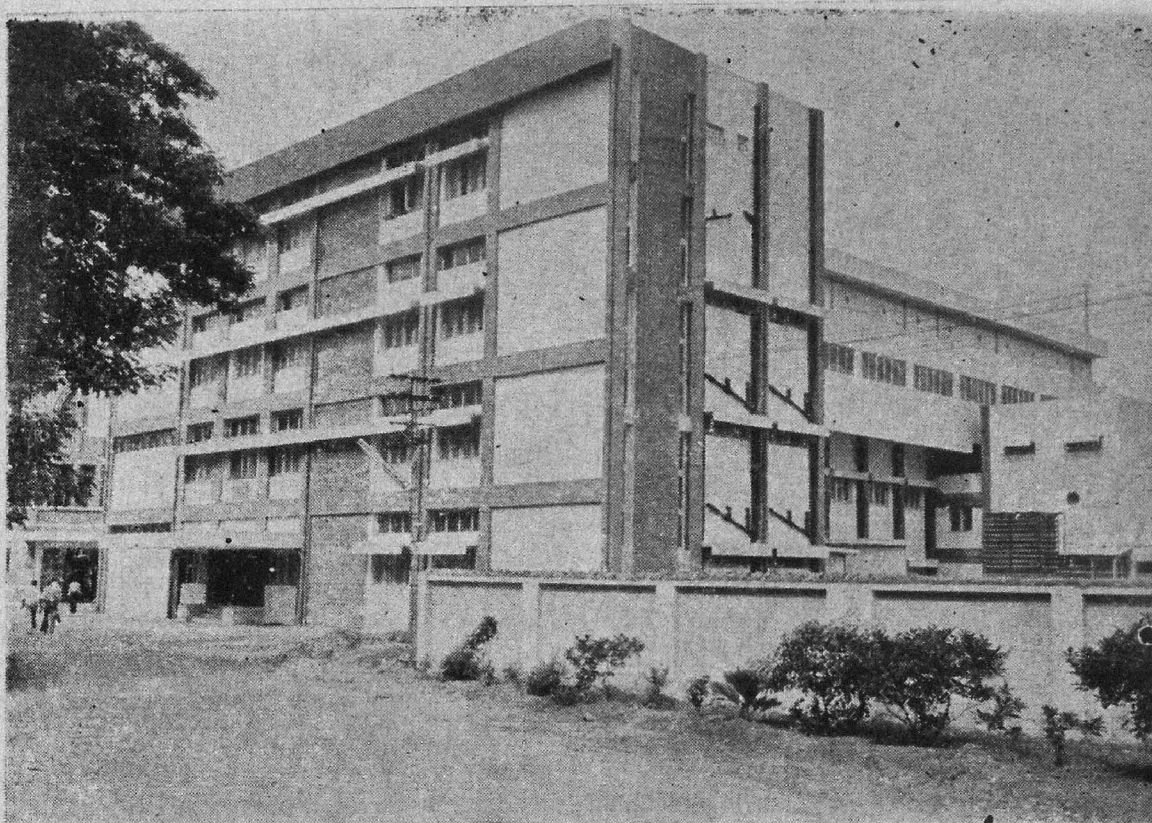
New in Patient Block for Small Animals



Dental care of Animals
Mouth Examination using Mouth gag



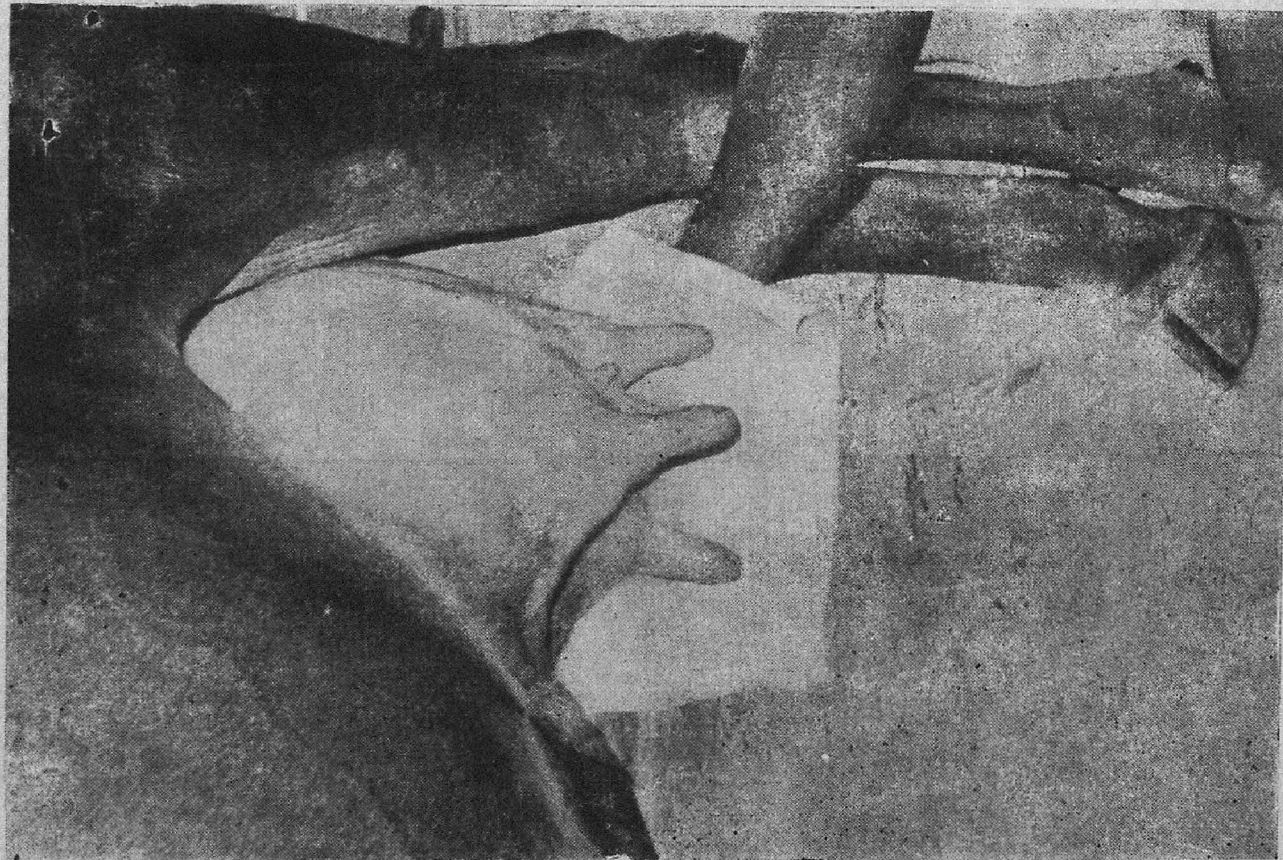
Even kids will be taken care of
I. V. Fluid therapy



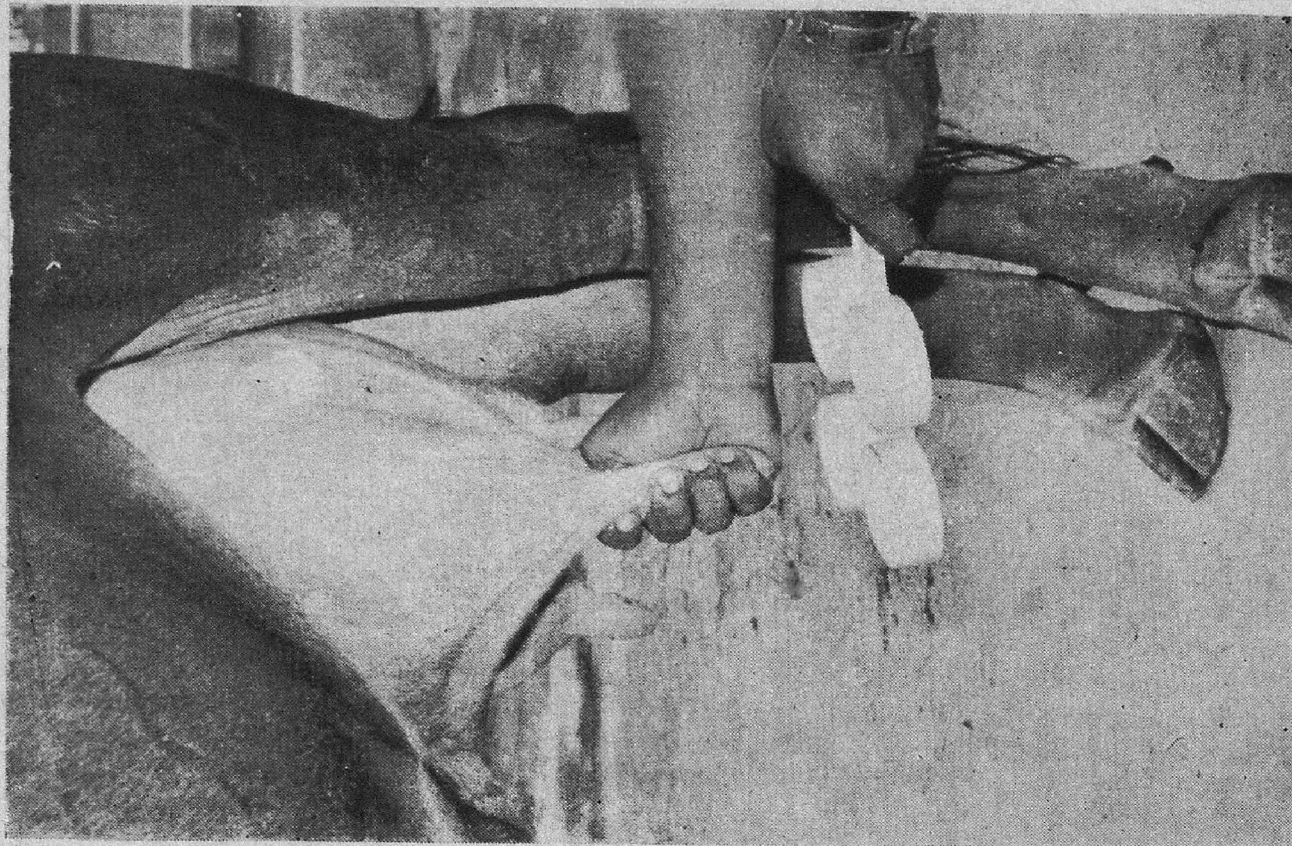
New Dairy Technology Block



Hamsters — Reared in the Laboratory Animal Division



Clean Milk Production udder wiping



Strip Cup Testing of Milk

DEPARTMENT OF DAIRY SCIENCE

Historical Background :

The Dairy Science department was formed into an independent unit in the year 1947 and was incharge of teaching the subject of Dairy Science and Animal Management for the under graduate students. Consequent on the upgrading of this College into a post-graduate institute in the year 1958, the department was incharge of training post graduate students at Masters and Doctorate level. Dr. C. N. Stark from U.S.A. under TCM programme was appointed as the first Professor of Dairy Science, for training post-graduate students leading to M.V.Sc. Eversince, the department continued to train post graduate students and so far three M.Sc.; 49 M.V.Sc. and three Ph.D. degree holders have come out of this section.

Present Staff :

Professor and Head of the department :

Dr. P. S. Krishnamurthi.

Associate Professors :

Dr. T. Jayachandran.

Dr. P. Sadasivam.

Assistant Professors :

Dr. U. Mohanlingam,

Dr. (Tnt.) Celine Koshy.

Dr. V. Ramasamy.

Dr. N. R. Gopalan.

Dr. M. Ramakrishnan.

Asst. Engineer (Dairy):

Mr. A. Krishnamurthi.

Activities :

Education: Under graduate level

The subject of Dairy Science is taught to III B.V.Sc degree students (18 credits).

Post Graduate level:

Post graduate programme leading Masters degree M.V.Sc. is being offered in this subject.

Doctoral level:

Ph.D. programme has been started from 1978 under trimester system.

Research :

This department is working on basic and applied research problems of public importance concerned in this field of Dairying. The following are some of the salient findings.

1. Quality of market milk, butter, ghee and ice cream of Madras city with respect to both Bacteriological quality and chemical quality had been studied.

2. Agglutinins of cow and buffalo milk and nutritional requiremnts of lactic starter cultures have been elaborately studied.

3. Preliminary work on cross breeding experiments established the profound amount of improvement that could be achieved in milk production by crossing indigenous and pure breed stocks with pure exotic breeds.

4. Bacteriological quality of dairy products like khoa, channa, curd and ice cream; absorption of immune globulins by calves of white cattle and buffaloes, a rapid ring test to distinguish cow milk from buffalo milk and the technique of early diagnosis of mastitis were few other items done by this department.

5. The technique of abomasal fistula for rennet extraction and its assay for cheese production and technique of analysing formalin preserved milk samples are items which are of practical importance for the dairy industry.

6. Studies on the incidence of Enterococci in market milk, khoa, ice cream and curd which are of public health importance are some of the recent additions. Studies on the incidence of aerobic spore formers in milk and studies on the density of cow milk and buffalo milk are of practical importance for market milk industry.

General :

In order to improve the physical facilities for teaching and Research in Dairy Technology a multi storeyed block at an estimated cost of Rs. 29/- lakhs has come up. A modern students Dairy Plant at a cost of Rs. 17.5 lakhs is expected to be commissioned shortly. This department has isolated and prepared freeze dried lactic cultures of desirable qualities and the same are now available in the department for distribution to the public.

DEPARTMENT OF EXTENSION EDUCATION

Historical Background :

The Department was started in February 1963 with one Lecturer, one Assistant Lecturer, one Artist, one Artist cum Photographer and one Cine projector operator. During 1963-64 this subject was taught for IV and V & final year B.V.Sc. students without university examinations. Several villages in and around Madras were adopted for field activities.

To cope up with the increased workload two Subject Matter Specialists, two Assistant Subject Matter Specialists and one Assistant Lecturer were added to the staff of this Department. Later these posts were redesignated as Research Officer and Research Assistant. During 1968-69 the post of Lecturer in Extension was upgraded to Professor of Extension and one Subject Matter specialist was upgraded as Reader in Extension and one post of Lecturer in Extension was created. In 1970 one Lecturer's post was upgraded to Reader in Extension.

Present staff :

Professor and Head

Dr. M. P. Arumugam

Associate Professor

Dr. K. M. Selvaraj

Assistant Professors

Dr. M. Mahadevan Pillai,

Dr. J. Rajasekaran,

Dr. K. Venkoba Rao,

Dr. R. Narasimhan,

Dr. V. Purushothaman.

Activities :

The Farmers Training Centres at Hosur and Orathanad are working under the control of this Department. They are imparting 3 months training for farmers. These centres were now transferred under the control of Director of Research (Animal Sciences) from 1-1-80.

Extension Teaching

In addition to imparting institutional training using various Extension teaching methods and aids, the students are regularly taken to the adopted villages in and around Madras for field practicals to enable the students and farmers to have mutual contact.

Farm Advisory Service and field activities

To enable farmers to reap the benefit of the scientific and technological advances in animal husbandry, a Farm Advisory Service was established. This service will clarify doubts, answer questions raised by farmers, give guidance in planning and conducting of Animal Husbandry enterprises. Field Days, Farmers Day and Community Weeks are regularly arranged for mass contact between extension co-operators, students and farmers.

Film show and Exhibition

Film show on Animal Husbandry and Poultry farming are regularly conducted in adopted villages for the benefit of farmers. Exhibits are prepared and displayed during Livestock and Poultry Shows, Trade fairs etc

Communication Centre

To disseminate research findings and to provide scientific information for farmers, technocrats and departmental officers, newsletters leaflets, pamphlets, folders, bulletins for farmers and technical bulletin and handbooks are published periodically. The scientific journal "CHEIRON" and the College Annual are printed regularly. In addition, various scheme reports and other non-technical stationery and printing works are undertaken for the college use.

Helping farmers to help themselves

Regularly farmers in and around Madras are visited for giving guidance and help in establishing Livestock farms. They are given suitable instruction and training using various technics of extension for housing, selection of animals and birds, maintenance, feeding, disease control, managemental practices, marketing livestock produces and disposal of surplus and culled stocks.

National Student Service (N.S.S.)

Thiruneermalai, a village in St. Thomas Mount Panchayat Union, Chingleput District has been adopted for N.S.S. activities.

Research

At present the teaching staff of this department engage themselves in farmer and consumer oriented research programmes in addition to the regular teaching and extension work.

DEPARTMENT OF LABORATORY ANIMAL MEDICINE

Historical Background :

This department was started on 22-1-1970 with plans to institute post-graduate courses in Laboratory Animal Medicine for the first time in India. The subject of Laboratory Animal Medicine is an inter-disciplinary speciality of Veterinary Medicine, concerned with the biology of animals in health and disease and with their selection, breeding, care and use in research and education.

Present Staff :

Associate Professor : Dr. R. Srinivasan

Assistant Professors : Dr. A. M. Shanmugam.

Dr. S. Nedunchellian.

Dr. K. Vasu.

Activities :

The object of this discipline is to produce and supply standard, healthy, known animals according to the specifications of the Veterinary and Bio-Medical Research workers.

The subject is included in the syllabus for undergraduate courses. Six courses are offered to post-graduate and doctorate students.

The following Laboratory Animals are produced in this department. They are

1. Rabbit
2. Guinea pig
3. Rats (Wistar Strain)
4. Mice (Swiss white)
5. Hamster (Golden Hamster).

These animals are supplied to various departments in the Madras Veterinary College for research purposes. Animals are also supplied to other Research Institutions like

1. Central Leather Research Institute, Madras.
2. Postgraduate Institute of Basic Medical Sciences, Madras.
3. Madras Medical College, Madras.
4. Womens Christian College, Madras.
5. Queen Mary's College, Madras.
6. Siddha Research Institute, Madras.
7. JIPMER, Pondicherry.
8. Veterinary College, Tirupathy.
9. Institute of Viral Vaccines, Kerala.

No. of animals supplied from inception till date and their value

Rat		3870	Value Rs. 90052/-
Mice		3465	
Hamster	...	194	
Rabbit		1758	
Guinea pig		2639	

Research :

The following research projects are in progress in this department.

1. A study on the common diseases of Laboratory Animals and their control.
2. A study on the Normal Haemogram of Laboratory Animals.
3. Raising Inbred strains of Laboratory Animals and studying their breeding characters.
4. A study on the treatment and control of worm infestation in Laboratory Animals.
5. Production of Specific-Pathogen-Free Animals.

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MADRAS VETERINARY COLLEGE LIBRARY

Historical background

The Madras Veterinary College Library was started in 1903 and hence is as old as the College itself. Till 1954, the Library expanded slowly and contained about 2,000 books and a few Journals, and was managed by a Junior Assistant. It was subsequently strengthened with qualified staff. During the year 1963, the Library was shifted to its present premises in the 2nd floor of the Clinical Block and has a floor space of 14,000 sq. ft. The Library is now well equipped on the lines of modern Libraries. Open access system is in vogue.

Staff pattern

The Library has on its staff a Librarian, Assistant Librarian with a supporting staff.

Librarian : Thirumathi Lalitha Frederic.

Asst. Librarian: Selvi Mohana Sundari.

Activities

The Library functions from 8 a.m. to 8 p.m. on working days catering to the needs of undergraduate and postgraduate students, staff members and Research Officers. A korestat copying machine is available in the Library and reprints of articles are supplied to staff and students on payment.

The Library has now about 15,000 books and 8,000 back volumes. 226 Foreign Journals 60 Indian Journals and Eleven popular magazines are being subscribed for the Library. The present annual budget of the Library is Rs. 5,37,500.00. About 21,000 readers use the Library in a year. 15,660 books are being lent and 61,554 books are being consulted.

It is proposed to further strengthen the Library by providing more space, books, and microfilm facilities to meet the increasing demands of users.

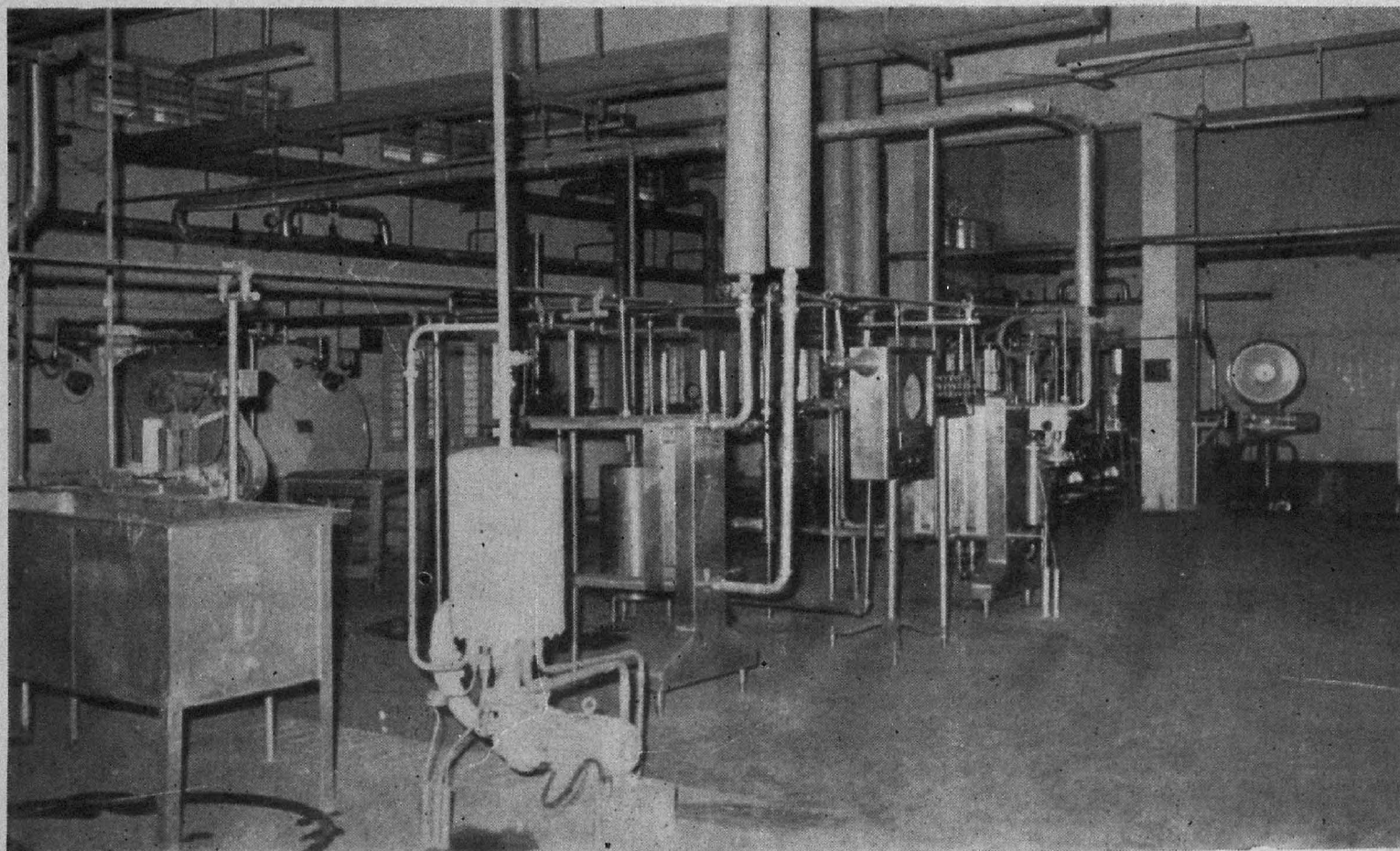
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PLATINUM

Platinum is a precious silver white metallic element, very heavy, weighing 20 times more than water. It can be beaten into sheets or can be drawn into wires.

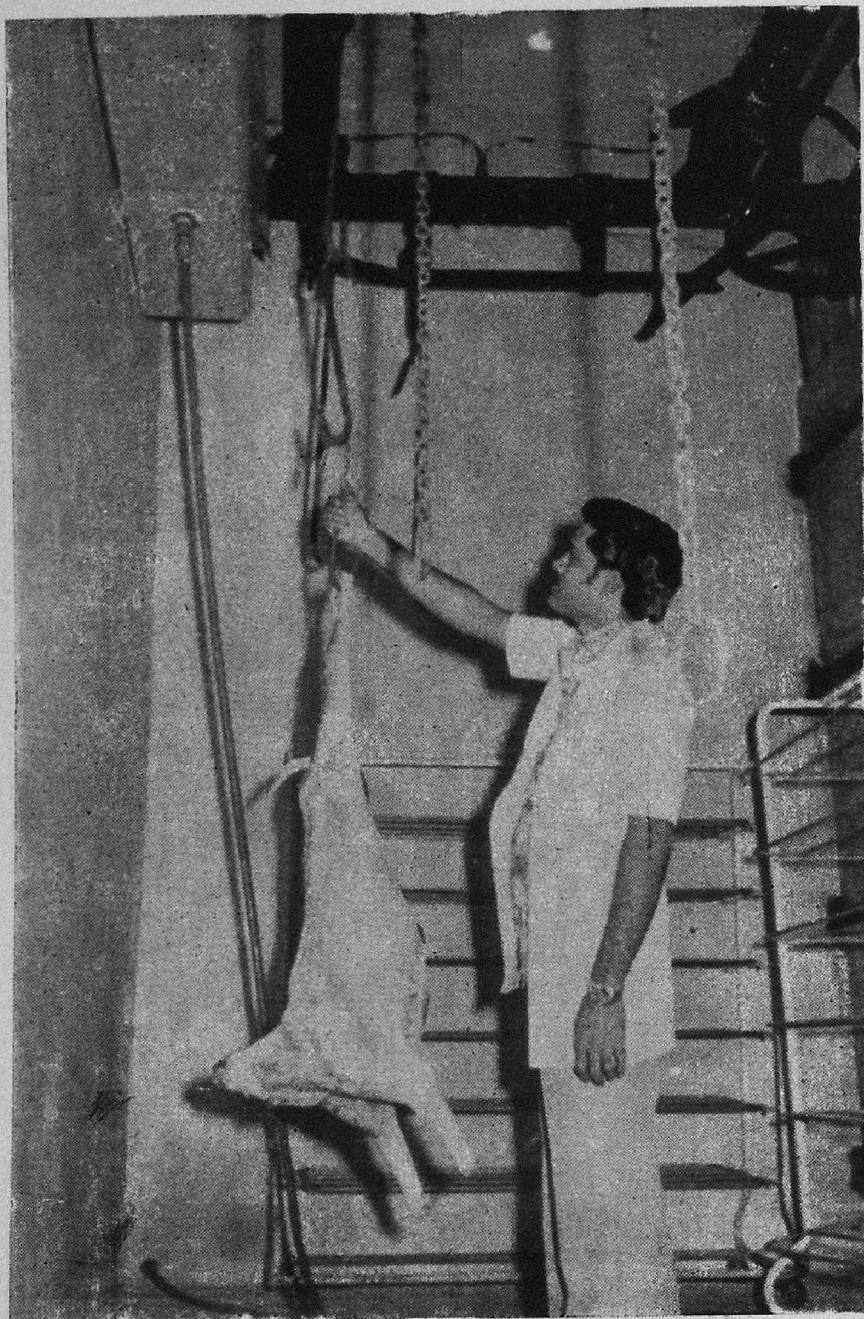
In the 17th century B. C. Egyptians used the platinum for ornamentation. Platinum nuggets were found in the rivers of Colombia in South America but were discarded as of no value. People looked for gold only! In Russia of the 19th century roubles were minted of platinum. Today platinum is indispensable for many industries. It is found in large quantities in S Africa and Soviet Russia and is being used commercially.

Platinum is resistant to acid and does not tarnish. It is strong, hard and pleasing in appearance. It is also a valuable metal for jewellery, especially for settings for gems.

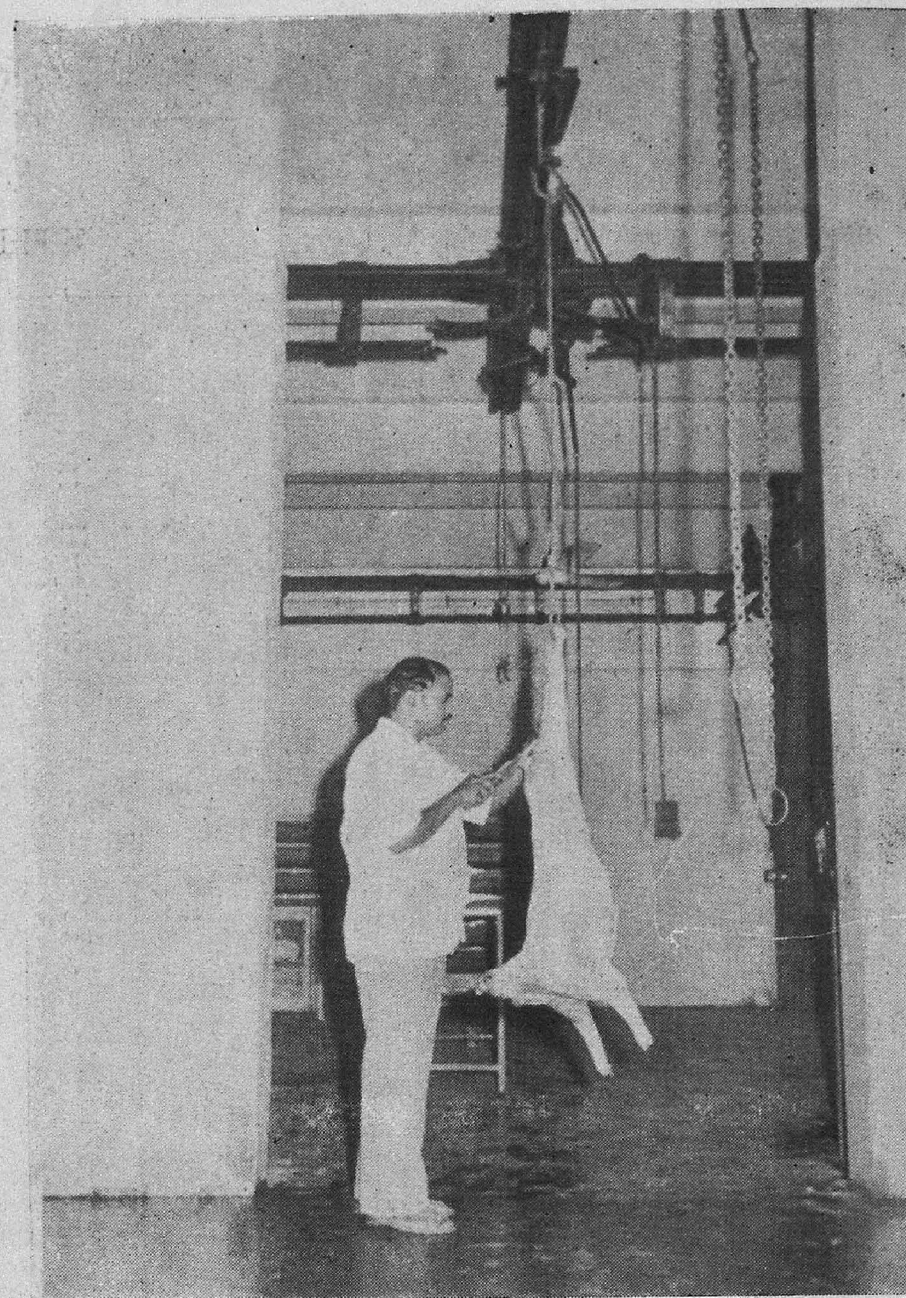


Milk Processing Plant

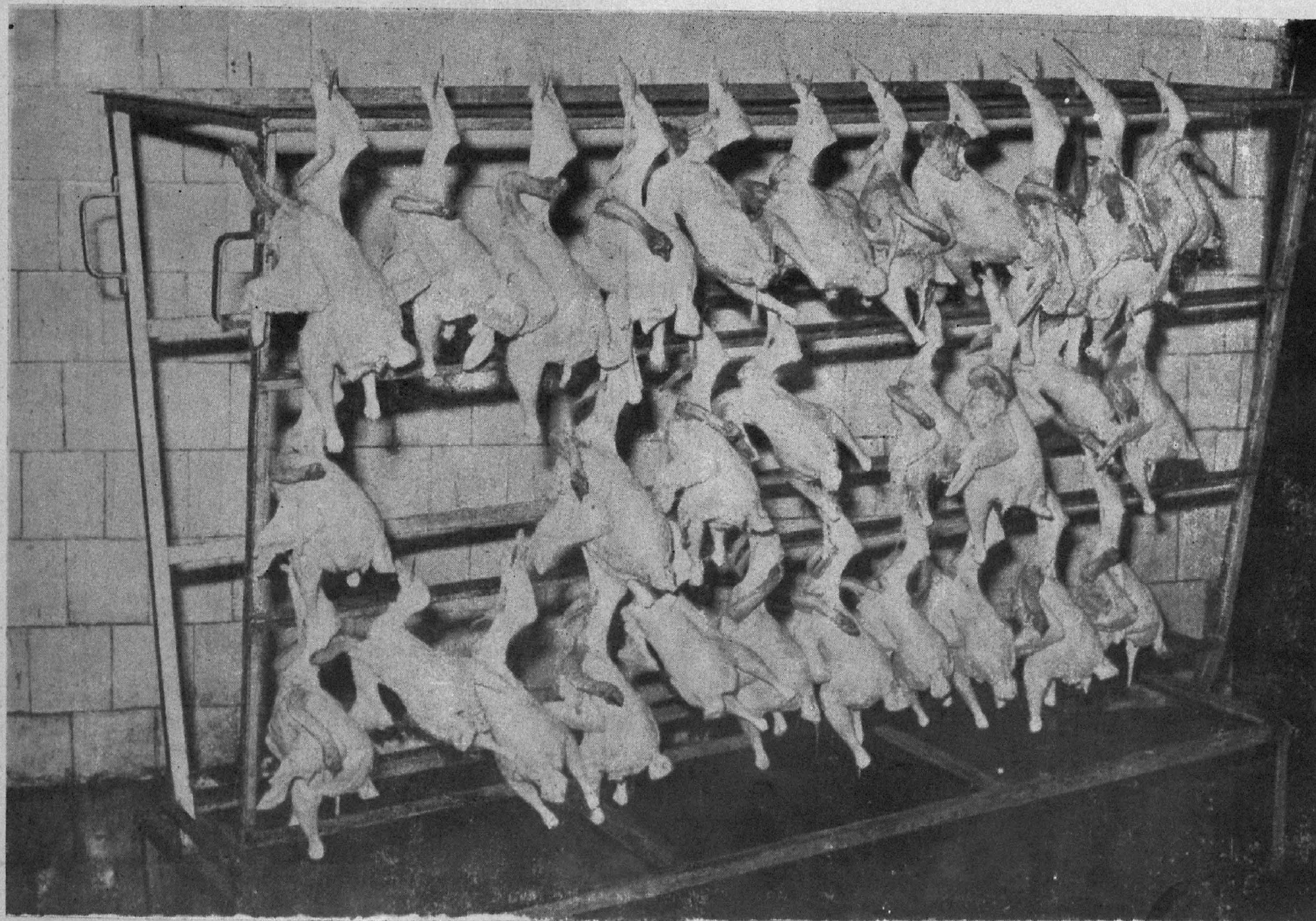




Sheep carcass on overhead track in
the Chiller of the Department of Meats

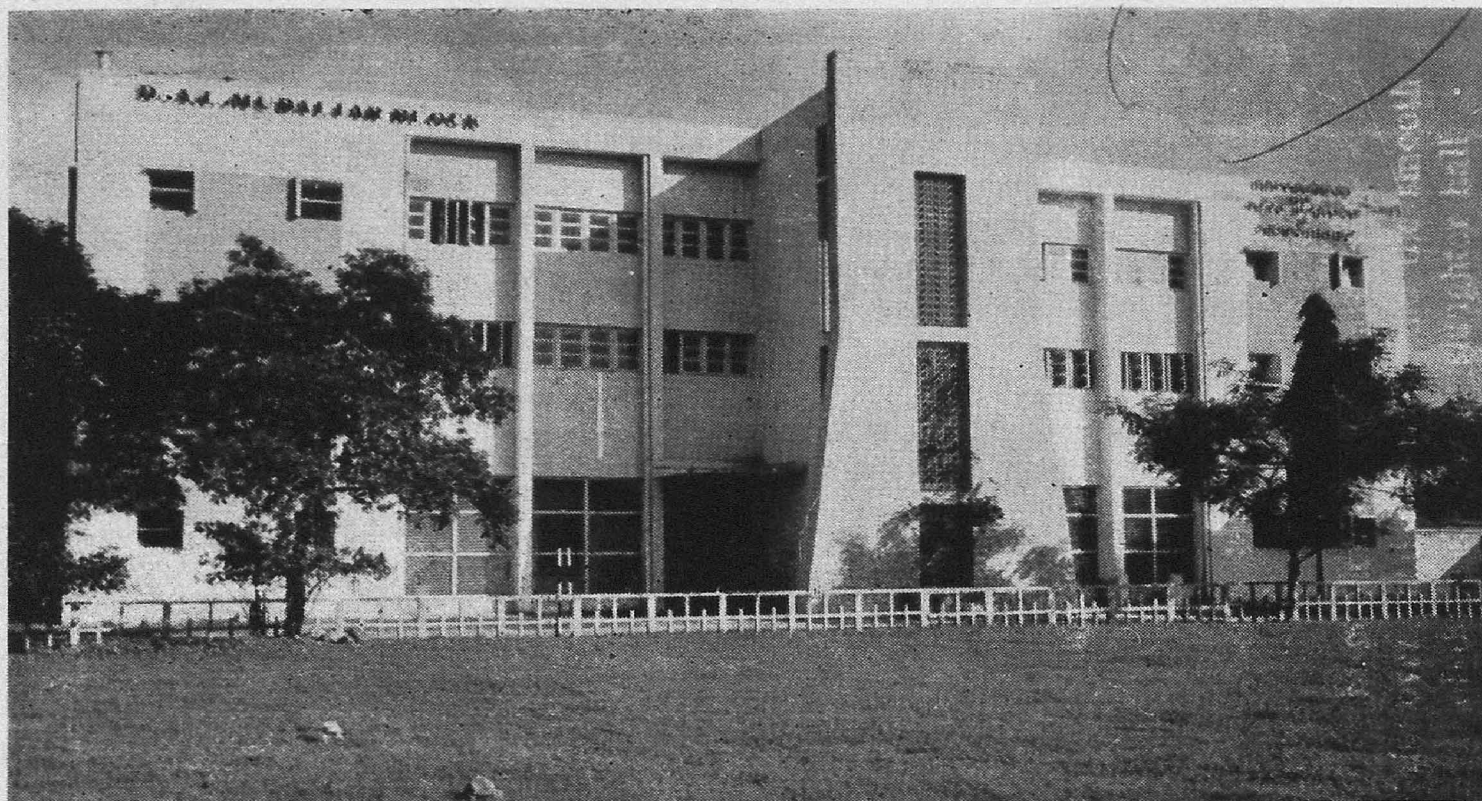


Inspection of sheep carcass
Note the over head rail track and the smooth
finish of the walls of the slaughter hall

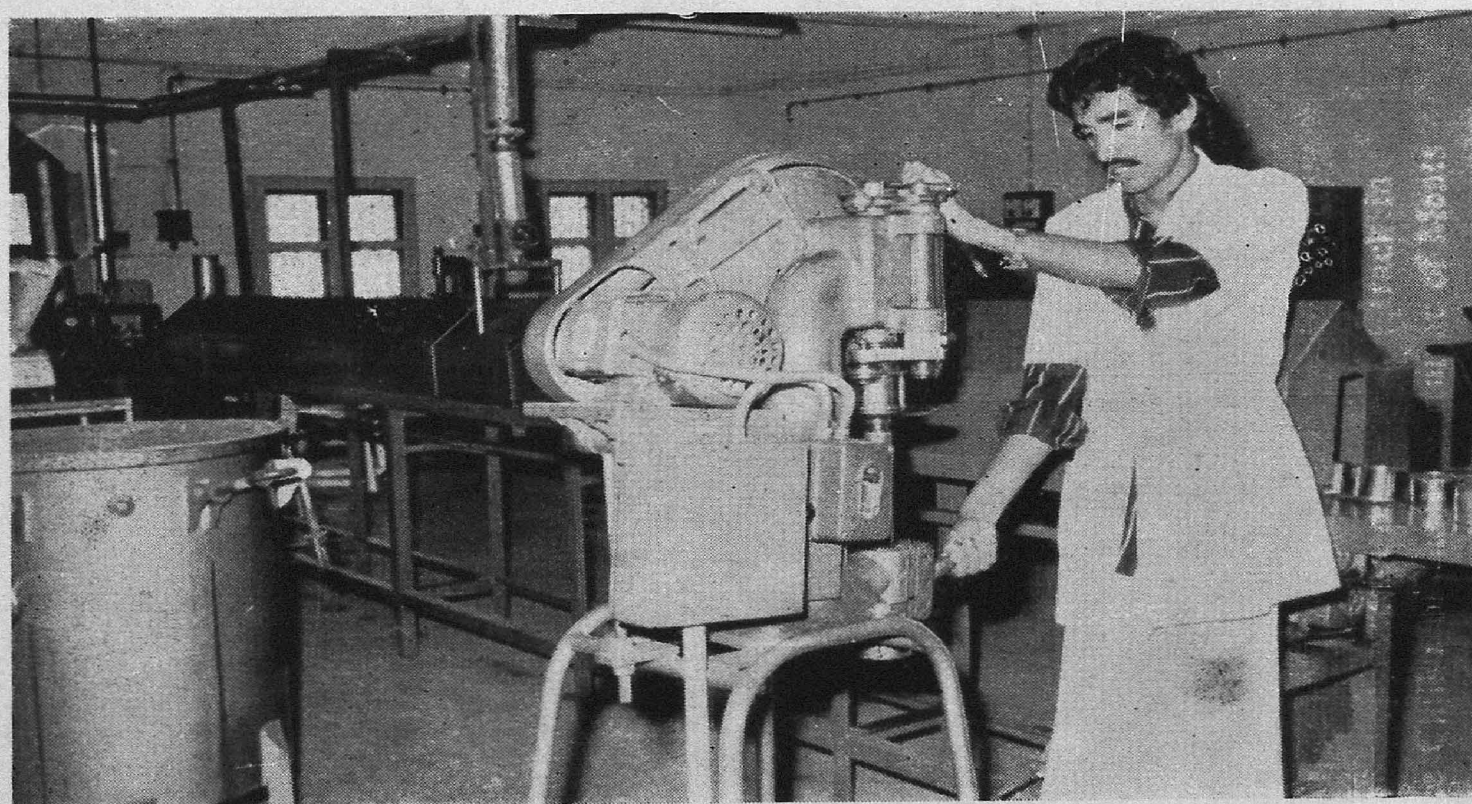


Drip Drying Dressed Chicken





Meat Hygiene and Technology Laboratory



Canning complex in the Meats laboratory with the double seamer in the foreground. Double seamer to fix the can ends to the can after exhaustion. Note the view of the canning complex showing the exhaust box and the retort with the pipe lines.

Historical background :

The subject of Meat Hygiene and Technology is taught to under-graduate and post-graduate students. While the under-graduate training is continuing since three decades, the post-graduate course in Meat and Milk Hygiene and Technology was instituted in 1962 along with the formation of a separate new department in the same year.

A modern meats laboratory, the first of its kind in India was constructed and commissioned and it was designed with separate slaughter hall, inspection hall, chilling and freezing chambers, meat technology room, sales counter, analytical and technological laboratory with facilities for curing and smoking of meat and a canning complex for research students.

Present staff :

Professor and Head : Dr. R. Ramamurthi

Associate Professor : Dr. V.R. Kosalraman

Assistant Professor : Dr. K. Shanmuganantham

Assistant Professor : Dr. C.V. Govindarajan

Assistant Professor : Dr. K.T. Radhakrishnan

Activities :

Since 1962, the staff of this department have been engaged in active research and in guiding post-graduate students in investigating projects of interest to public health, meat technology and the livestock industry. Research projects on pigs, cattle, sheep, chicken and rabbits were undertaken. The staff have also been imparting education to undergraduate and post-graduate students in the subjects of Meat Hygiene and Technology.

Studies were made to improve the personal hygiene of butchers in an effort to improve the wholesomeness of meat in slaughter houses. To conform to regulations concerning export of meat, the differentiation of mutton and beef and beef and cara beef were successfully performed.

Special courses were conducted for the officers of marketing and inspection for 10 days in this department. Four such courses have been conducted so far.

A staff course in modern Abattoir Management was conducted in this department sponsored by Ministry of Agriculture and Irrigation, Government of India. Candidates from various states participated in this course.

A short term course in Meat Hygiene and Technology for officers in slaughter house and bacon factories was conducted by this department under the sponsorship of Government of India, Ministry of Agriculture. Short lecture notes on meat hygiene was published for the benefit on all short-term course trainees.

This department conducts special classes on parasitic Zoonosis for B S.Sc. and MBBS. students of Medical colleges and post-graduates of Public Health Department.

In recognition of the very useful work done by this department both in field of Meat technology and in public health, the F A O regional veterinarian Dr. C. Perumal Pillai recommended the upgrading of this department to constitute an Asian Training Centre for Meat Hygiene and Technology to undertake the training of large numbers of Asian and African veterinarians.

Research

I. I. C. A. R. Scheme :

A scheme for utilisation of slaughter house byproducts was run by this department to highlight the possibility of improving the quality of common by-products like casings, bones and pancreatic collection etc.

II. State Scheme :

So far three schemes have been completed on Technological aspect of meat and papers were published in scientific journals.

Department Scheme :

The staff members in addition to teaching are also engaged in individual research programmes.

General :

The department has also to its credit the following achievements :-

1. Establishing a canning complex and conducting research in preservation of food products.
2. Participated in the exhibition competitions for meat products preparation in All India Cattle show and got First prizes.

So far 36 veterinarians have been awarded M.V.Sc. Degree in Meat and Milk Hygiene and Meat Technology from this College of which 6 belong to various states in the country and one from Defence Services of India.

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DEPARTMENT OF MICROBIOLOGY AND BIOCHEMISTRY

Historical Development :

The Department of Microbiology and Biochemistry was formulated from 1-4-1977 by amalgamating the erstwhile Departments of Bacteriology, Virology and Biochemistry.

The Department of Bacteriology which included Virology also was one of the earliest Departments to have been started. The Department of Pathology and Bacteriology as it was then called was started in 1904. The Departments of Pathology and Bacteriology were separated and made independent Departments in 1950. A chair for Virology was created in 1971 and full fledged Department started functioning thereafter. The Department of Biochemistry was started in 1970. Now all the three Departments stand merged and called as Department of Microbiology and Biochemistry.

Present Staff :

Professor and Head

Dr. R. A. Balaprakasam,

Professor

Dr. M. S. Jayaraman,

Associate Professors

Dr. J. S. Moses,

Dr. D. Janakiram,

Dr. A. T. Venugopalan,

Assistant Professors

Dr. V. D. Padmanaban,

Dr. K. S. Palaniswamy,

Dr. B. Thayumanavan,

Dr. K. Nachimuthu,

Dr. C. Venkatasubba Rao,

Dr. A. Koteeswaran,

Dr. A. Albert,

Dr. V. Ramaswamy,

Dr. N. Dorairajan,

Thiru T. K. Narayanan,

Selvi R. Kasturi,

Activities :

Education : **B.V.Sc.,**

I. B.V.Sc.—Biochemistry—3 courses.

II. B.V.Sc.—Biochemistry—3 courses.

III. B.V.Sc.—Microbiology—6 courses.

M.V.Sc., One of the first Departments to start M.V.Sc., in 1958. Since then every year 3 to 5 students are admitted and the programme is going without a break.

Ph. D. One of the first three Departments to start Ph.D. in 1977. Since then, every year 4 to 5 students are admitted.

Post Graduate Co-ordination :

Since 1977 this Department is responsible for co-ordination of Post Graduate Education.

Training :

Training is given to the Inservice trainees of the Animal Husbandry Department. Training is given in clinical diagnosis to the members of Animal Husbandry Department.

Extension :

The staff of this Department are frequently called to solve health cover problems of private and public livestock farms and hatcheries.

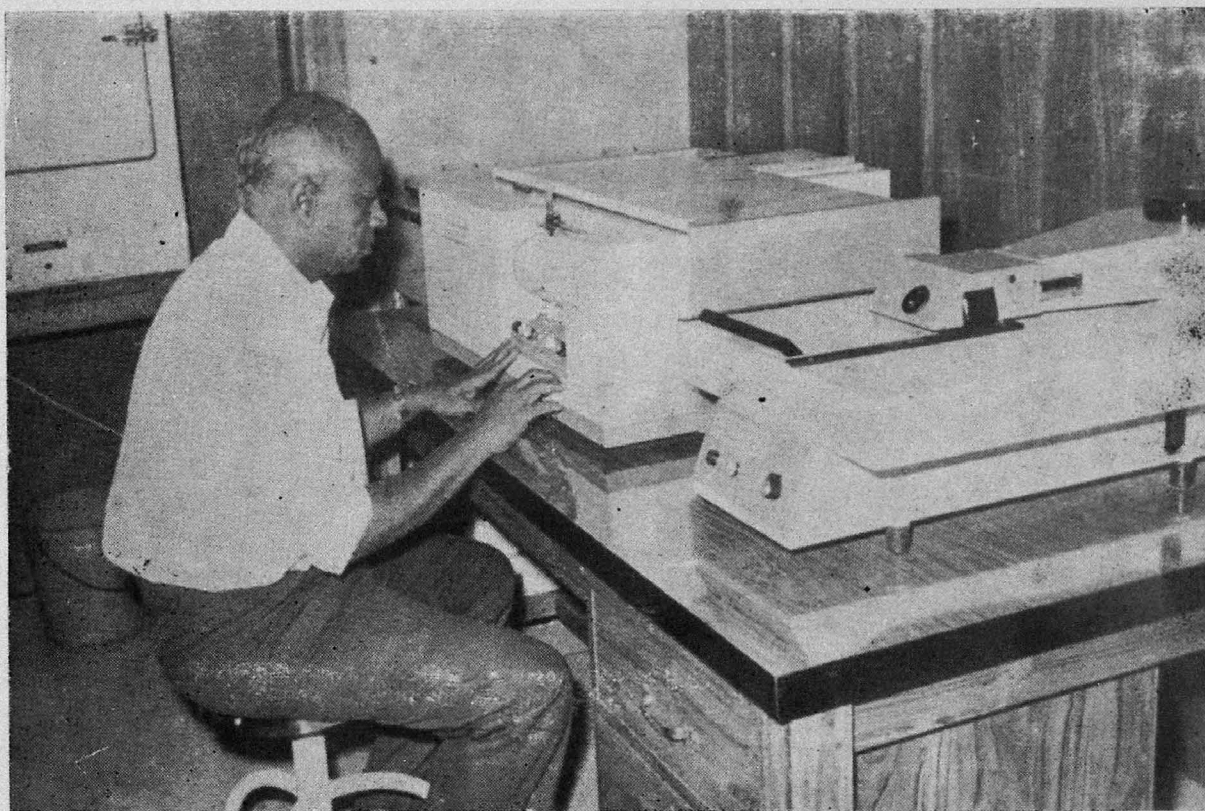
Export promotion :

Animal by-products exported to foreign countries require certain certificates like Health certificate, Disinfection certificate, Sterilisation certificate etc., This Department has been continuously engaged in this task and helps to earn the much needed foreign exchange. A certificate from this institution ensures the quality of the exported goods to the extent of importing countries insisting for a certificate from this Institution.

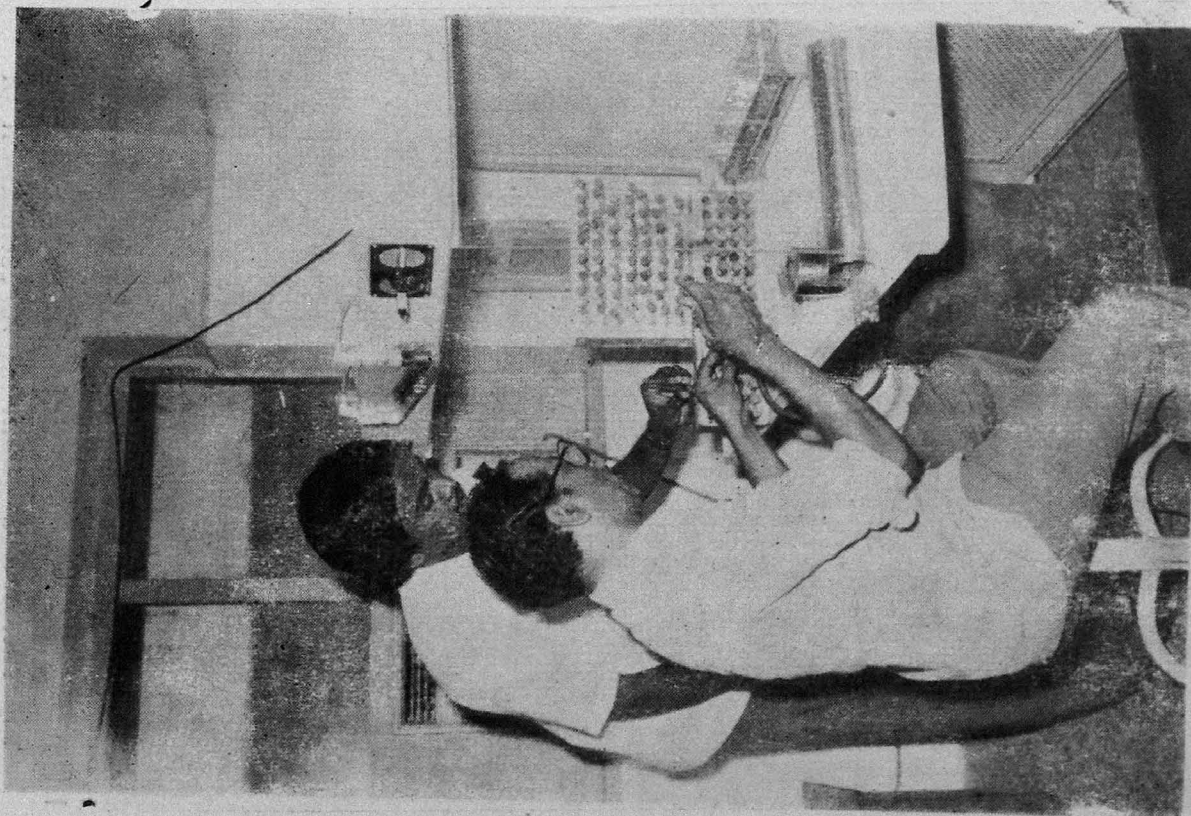
Service functions :

This Department offers many service functions. They include.

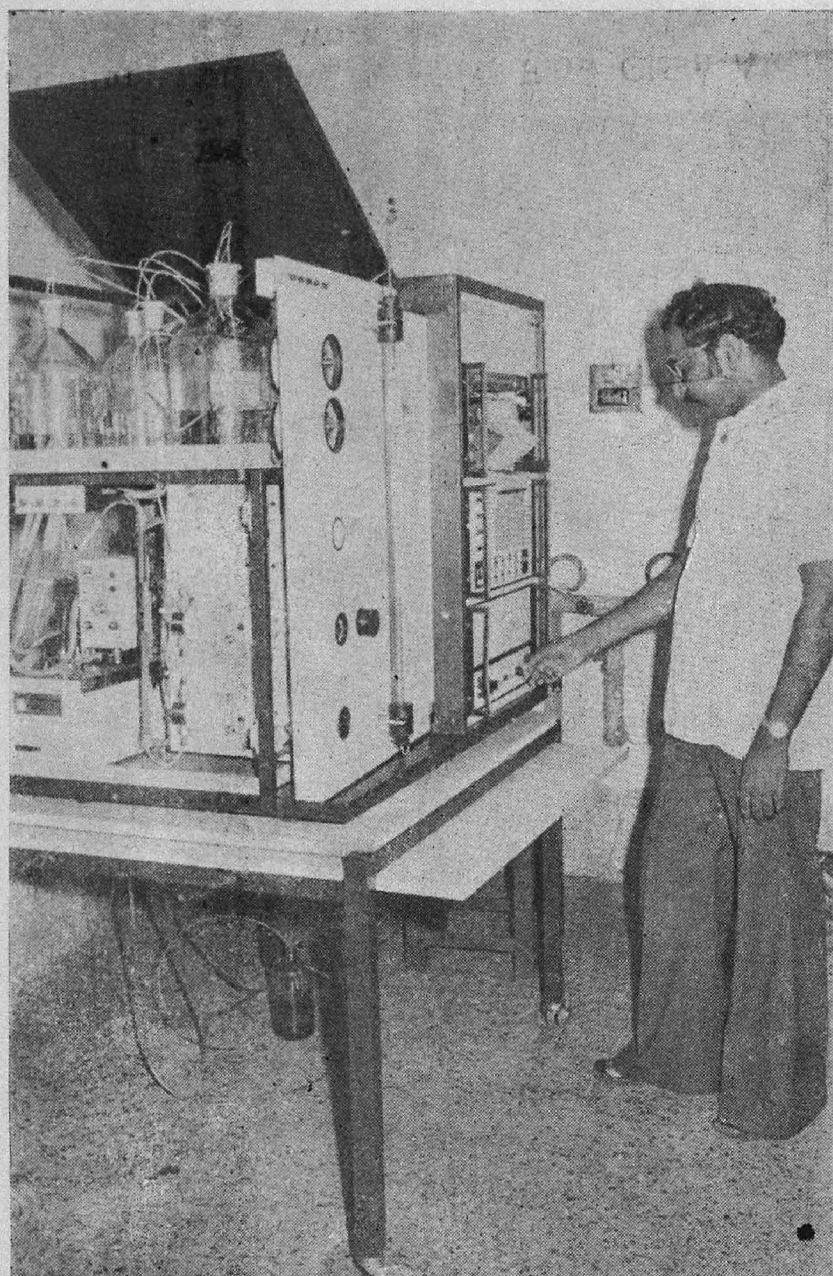
1. Microscopical examination of smears.
2. Cultural examination.
3. Serological test.
4. Biological test.



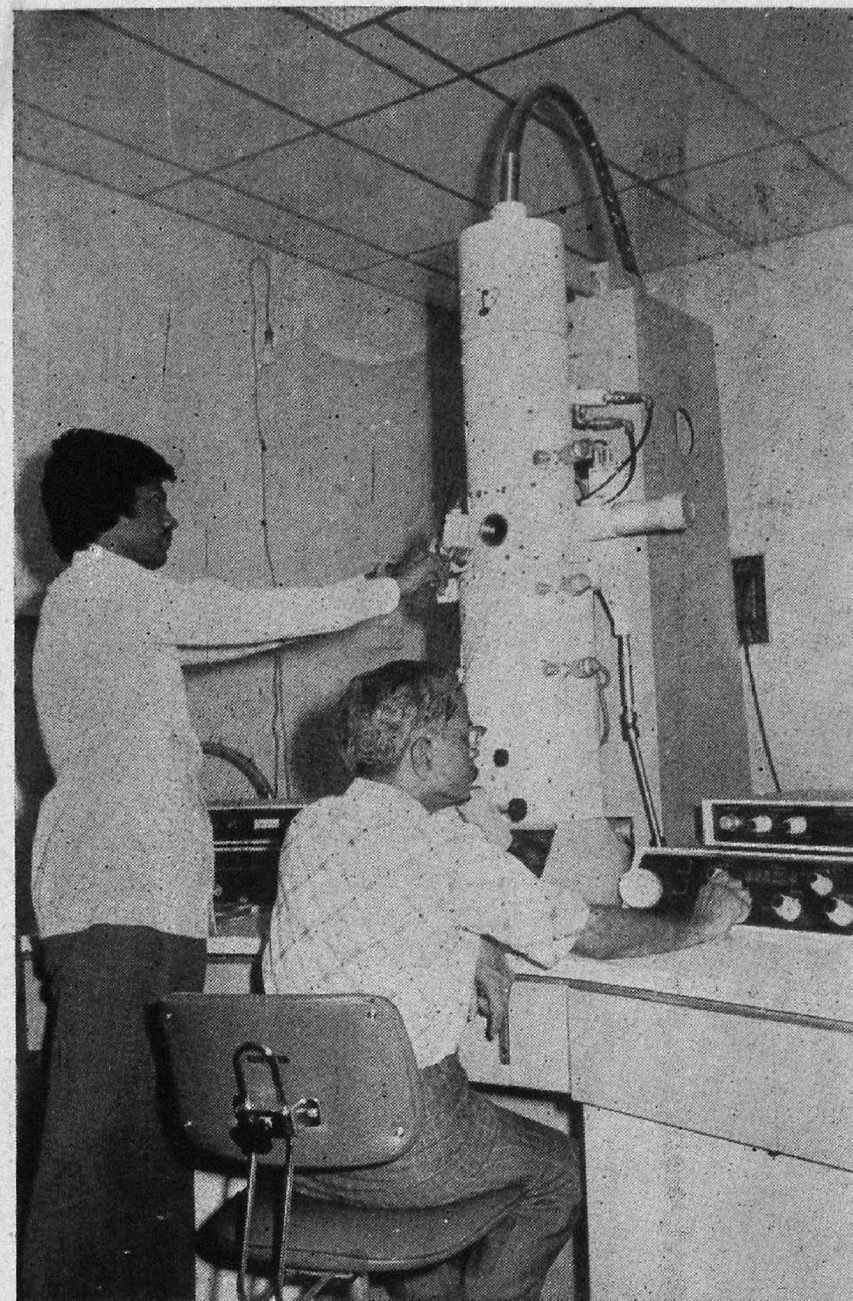
"Chromoscan 200" (Recording and integrating Densitometer).



Culture work in a Laminar Flow Clean Air work station



**LKB — Automatic Amino acid analyser for the
seperation and quantitative estimation of
amino acids.**



**JEOL — Electron Microscope in the
Department of Pathology.**

5. Antibiotic sensitivity.
6. Electrophoretic analysis of serum samples.
7. Auto vaccine preparation.
8. Diagnosis involving fluorescent antibody technique and complement fixation test.
9. Sterilisation of Pharmaceuticals.
10. Sterilisation of Poultry feed.
11. Sterilisation of Surgical dressings and instruments.
12. Supply of sterile glassware and swabs.
13. Supply of distilled water and deionised water.
14. Issue of Health certificate.
15. Issue of sterilisation certificate.
16. Issue of Disinfection certificate.
17. Issue of Salmonella free certificate.
18. Issue of certificate as to be free from particular organism.
19. Hatchery sanitation certificate.

Research :

Twenty three research projects involving detection of bacterial infections, immunological studies, vaccine products, hatchery sanitation etc. are in progress in this department.

General :

This Department has evolved a tissue culture adapted Fowlpox virus vaccine which has proved its potency in about one lakh chicks so far. The vaccine replaces two vaccines and therefore is a welcome boon to the Poultry industry.

Hatchery sanitation certificate scheme is another important adjunct which makes the poultry industry to check their loss due to poor hatchability and livability.

DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY

Historical Background :

Prior to the creation of the Department of Obstetrics and Gynaecology, headed by a Professor, the subject of Obstetrics and Gynaecology, was taught to the undergraduate students by the staff of the Regional Sterility Officer, stationed at Madras Veterinary College. This subject was part of Surgery for the University Examination. In 1958 a separate chair (Professor) in Obstetrics and Diseases of Reproductive system and Sterility was created. Dr. M. C. Chellam who was trained in Sweden was the first Professor who was assisted by 3 Assistant Lecturers. In 1963, Dr. K.S. Narasimhan, was deputed for the international course in Animal reproduction in Sweden. The post Lecturer was created in 1963 and Dr. K.S. Narasimhan was appointed as Lecturer in 1964. Consequent on the promotion of Dr. M.C. Chellam as Deputy Director, Animal Husbandary, Key villages, Dr. V. Venkatasamy who was then acting as Reader in Dairy Science held additional charge of this Department. The subject of Obstetrics and Gynaecology was dislinked from Surgery and became a separate subject for University Examination.

The year 1960 saw the introduction of Post graduate course in Obstetrics and Gynaecology. The first batch of students passed out in 1962. Dr. V. Venkatasamy was appointed as Reader in the newly created post in 1965, and later became Professor in 1967. The creation of the section of Endocrinology marked another milestone in the progress of the department and Dr. T. M. Thangaraj and Dr. D. John, were appointed as Research Officer and Asst. Research Officer respectively. This section was later merged with the department subsequent to the transfer of Veterinary College to Tamil Nadu Agricultural University in December 1976. Lately in 1979, the Department had the distinction of starting the first Ph.D., course in this subject with 4 part time pupils on its roll.

Present Staff :

Dr. K.S. Narasimhan	Professor & Head
Dr. S.R. Pattabiraman	Associate Professor
Dr. D. John	„
Dr. Augustine Thomas Peter	Assistant Professor
Dr. P.S. Krishnamurthi	„

Activities :

Salient features of work since inception :

1. The technique of Caesarean section has been perfected in bovines and more than 150 cases were treated by this method. For want of proper follow up, their post-operative breeding efficiency and performance of lactation could not be assessed in many of the cases.

2. The temporary detrimental effect of vaccination on spermatogenesis in breeding bulls with various vaccines, such as Rinderpest, Foot and Mouth, Black Quarter etc, were studied and papers have been published on this aspect and this may be of great use and guidance to field vets.

3. Some of the aspects of Reproductive efficiency of buffalo bulls were studied and the results were incorporated in the papers published in Cheiron. This is a pioneering work and is one of the 2 such research projects on buffaloes undertaken for the 1st time in the world.

4. Extension service rendered by the Department.

1. Breeding bulls, cows and Buffaloes which were referred periodically by the field staff for infertility problems were investigated into and remedial measures suggested.

2. Refresher courses are being conducted every year for the benefit of field Veterinarians.

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DEPARTMENT OF PARASITOLOGY

Historical Background :

This Department was organised as a separate unit in 1929. As early as 1947, the Department was recognised by the University of Madras for Post-graduate studies leading to the Research Degree of M.Sc. During 1955-'58, an I.C.A.R. sponsored Post-graduate course in "Diploma in Veterinary Parasitology" was conducted and 15 Veterinary students were given the Diploma. Parasitologists deputed from other States were given training at this centre.

When the college was raised to the status of Southern Regional Post-graduate Training centre in 1958, this was one of the first few upgraded Departments recognised for the Post-graduate education leading to M.V.Sc., and this Department was also one of the first Departments to be recognised for Ph.D. programme as early as the year 1960.

The Helminthology Museum built over the years by this Department contains a very large collection of worms from domestic animals and birds, identified and classified systematically forms a very useful reference material for research workers and is a valuable asset to the Department.

The Helminthology section which was functioning as a separate unit from 1939 was attached to this Department in 1958 and during reorganisation of this Department under Tamil Nadu Agricultural University the unit was merged with the Department in April, 1977.

A clinical laboratory functioning under the control of this Department for nearly 50 years was transferred to the Department of Preventive Medicine on 20-9-1963.

The V.D.I.O (sheep and goats) section, when transferred from the Animal Husbandry Department to the College in April 1970, worked under the administrative and technical control of the Professor of Parasitology till 31-12-1972, when it was transferred back to the Animal Husbandry Department.

Present staff :

Professor and Head
Dr. (Tmt.) C.M. Lalitha

Associate Professor
Dr. H.N. Achutha
Dr. T.J. Koshy
Dr. E. Ebenezer Raja
Assistant Professor
Dr. C.T.A. Balraj
Dr. S.A. Joseph
Dr. R. Anandan
Dr. S. Balasundaram
Dr. G. Rajavelu
Dr. (Tmt.) C.N. Dhakshayani
Dr. D. Jeyaseelan Chellappa

Activities

Besides teaching Under-graduate students (IV and III year B.V.Sc) Post-graduate courses are also offered for both M.V.Sc. and Ph.D. students numbering 12 in the subject of Parasitology.

Fourteen Departmental research projects in Veterinary Parasitology are being carried out by the staff members, in addition to their Ph.D. research projects numbering seven, as part-time students.

This Department serves as the main diagnostic centre for the entire state of Tamil Nadu for parasitic diseases. Clinical material received from the field staff are examined and the results communicated.

This Department conducts special classes on Parasitic zoonosis for B.S.Sc. and M.B.B.S. students of Medical Colleges and Post-graduates of Public Health Department.

Calendar of treatment for common parasitic diseases at Livestock Research Station, Kattupakkam and Sheep Breeding Research Station, Sandynallah has been formulated and advice on treatment and control of specific parasitic infections are also given as and when required.

Research :

More than 50 research projects have been carried out so far in this Department.

This Department was also a Centre for the All India Co-ordinated Research Project on



“Investigation into the factors governing the epizootology of nasal schistosomiasis in bovines and its control” under different field conditions. Other than this, two more I.C.A.R. Schemes on (1) “Studies on the incidence, bionomics, role in the causation of disease with special reference to transmission of piroplasmosis and control of ticks of domestic stock” and (2) “Studies on immunisation against Tropical Theileriasis (*Theileria annulata*) in cattle in Tamil Nadu”, were carried out from 18-9-1973 to 17-9-1978 and from 29-8-1974 to 28-2-1978 respectively.

Several outstanding research findings have been contributed by this Department in the field of Parasitology. Of these, special mention must be made of the studies on Nasal schistosomiasis, Rhinosporidiosis, Surrah, Canine spirocercosis, Canine filariasis, Feather mites of poultry and Tick fauna of Tamil Nadu.

The credit of finding out and identifying the new blood fluke *Schistosoma nasale* as the causative agent of nasal schistosomiasis goes to this Department.

The mycotic disease Rhinosporidiosis of human being was recorded affecting cattle, for the first time in this Department.

Pioneering work on the Feather mites of poultry carried out in the Department brought to light the occurrence of a number of species of Feather mites hitherto unrecorded in India and also a number of varieties and new species.

While investigating the helminthic fauna of Elephant, two species new to Science, *Schistosoma nairi* and *Indofilaria pattabiramani* have been described.

The common garden lizard *Calotes versicolor* was found to act as paratenic host for *Spirocerca lupi* affecting dogs.

The dog filarid *Dipetalonema grassii* was reported for the first time in India and the full description of its microfilaria was given for the first time together with those of adult male and female worms.

A survey of the tick fauna of Tamil Nadu undertaken revealed, the prevalence of 17 species of hard ticks and two species of soft ticks. Host-wise, seasonal and geographical distribution and life cycle studies of these ticks were carried out in detail. Similar studies were also undertaken on Piroplasms transmitted by ticks.

Molluscicidal trials with Coppersulphate, Bayluscide and sodium-penta chlorophenate have been carried out against the common fresh water snails of Veterinary importance and their efficacy reported.

So far a total of 223 Scientific papers have been published by this Department besides two manuals.

General

So far this Department has turned out 5 Ph.Ds., 5 M.Sc. and 39 M.V.Sc.

The Department extends advice on the control of different parasitic diseases to the field staff and Extension workers as and when required.

Important field oriented research findings of the Department are periodically passed on to the field staff, Extension workers and the farmers through various communication media like Radio, television, News letters, personal communications, etc.

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DEPARTMENT OF PATHOLOGY

1. Historical Background :

The Department of Pathology was a composite one comprising of Pathology, Bacteriology and Parasitology till 1928. The parasitology and Bacteriology Departments were separated in the years 1929 and 1949 respectively. Since then this Department has concentrated on Pathology.

2. Present Staff :

Dr. R. Ramakrishnan,	Professor and Head
Dr. P.V. Ramachandran,	Associate Professor
Dr. S. Nagarajan,	"
Dr. S. Viswanathan,	"
Dr. K.R. Parthasarathy,	Assistant Professor
Dr. S.A. Shakir,	"
Dr. B. Murali Manohar,	"
Dr. R. Krishnan,	Research Officer
Dr. P. Richard Masillamony,	"
Dr. K. Veeraraghavan,	"
Dr. A. Sundararaj,	Asst. Research Officer
Dr. M. Thanikachalam,	"
Dr. H.C. Samanna,	"
Dr. L. Kesavalu,	"

3. Activities :

The present activities of the Department include Teaching, Diagnostic services and reasearch.

a. *Teaching*: The Department offers theoretical and practical instructions for the Under-graduate and Post-graduate students in Veterinary Pathology. Under the Post-graduate programme 35 candidates have taken the degree of M. V. Sc., Training programmes are also conducted for the field staff as part of the refresher training. In addition, training in Clinical Pathology was also imparted to the Staff deputed by the Directorate of Animal Husbandry.

b. Diagnostic services:-

i. **Autopsy diagnosis**: This Department is incharge of autopsy diagnosis of cases referred to the Department.

ii. **Histopathology diagnosis**: This Department also serves as a State Diagnostic Laboratory for Histopathology. About 8000 materials

on an average are examined annually, thereby helping the field staff in their diagnosis,

iii **Clinical Pathology**: A clinical Pathology section commenced work in the year 1971. It examines various Clinical materials received from the College Hospital. The total number of materials examined annually is about 24,000.

iv. **Avian Disease Laboratory**: An Avian Disease Laboratory is functioning since April 1974 for investigation of poultry disease.

c. Research :

The following research schemes were in operation in this Department on periods noted against each.

i. All India Co-ordinated Project on respiratory diseases of Poultry.	1969-1974
ii. ICAR Scheme on Etiopathogenesis of Necrotic Hepatitis in Poultry.	1975-1978
iii. ICAR Scheme on Avian Leucosis Complex.	" "

At present the following three research schemes, financed by outside agencies, are in operation.

Title	Duration	Sponsoring Agency
i. Studies on Hill Haematuria in Bovines.	1977-80	I.C.A.R.
ii. Studies on Neoplasms of Upper Respiratory Tract in Bovines.	1977-80	I.C A.R.
iii. Studies on Transmissible Veneral Tumour in Canines.	1977-80	Govern- ment of India Ministry of Science & Technology-

The findings from this Department have been published in the form of 145 research publications in various Scientific journals.

4. General :

Given below are some of the significant contributions of this Department in the field of Animal Diseases.

1. Contagious Caprine Pleuropneumonia was taking a heavy toll among goats in this State. Longley by his research established the identity of the causative organisms and evolved a vaccine with encouraging results.
2. Hepatitis contagiosa canis in dogs was detected for the first time in India and the disease was experimentally produced in dogs and its pathology studied.
3. Pulmonary adenomatosis in sheep was also identified for the first time in India in 1960.
4. Aflatoxicosis in farm animals and poultry was recognised as responsible for heavy mortality and unthriftiness, especially in buffaloes, ducks and fowl.
5. Tuberculosis: Studies carried out in collaboration with W. H. O. Chemotherapy Centre, Madras have brought out the importance of human strain of *M. tuberculosis* as responsible for tuberculosis in bovines.
6. Inclusion Body Hepatitis in fowls has been reported for the first time in this country.

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DEPARTMENT OF PHARMACOLOGY AND TOXICOLOGY

Historical Background :

The nucleus for the present Department of Pharmacology was a small pharmacy situated in the SPCA buildings. Subsequently after further additions to the main building of the College, the pharmacy was shifted from the SPCA building to a more spacious hall in the western wing of the main building. Since 1903, Materia medica and pharmacy was taught to the students. They were given practical training in the art of dispensing. Pharmacology was a subject for the diploma course for a long time. The revision of the course of studies, necessitated the expansion of the laboratory facilities for practical pharmacy and experimental pharmacology. In 1963 the department was shifted to the clinical block.

Present Staff :

Professor and Head	Dr. R. Natarajan
Associate Professor	Dr. K. C. Raghavan
—do—	Dr. S. Jayasundar
—do—	Dr. S. Gopalan
Biochemist	Vacant
Assistant Professor	Dr. B. Gowrishankar
—do—	Dr. J. Jayasekaran Samuel
—do—	Dr. M. Kanniappan
—do—	Dr. Inbaraj Cyrus
—do—	Dr. K. B. S. Mani
Research Associate	Dr. (Miss) L.N. Mathuram

Activities

Teaching and Research :

Since 1903, Materia medica and pharmacy was taught in the first year. Later, Materia medica was taught in the second year, Pharmacology and Pharmacy in the third year and Therapeutics and Toxicology in the fourth and final year of the B.V.Sc. degree course, until a separate department of Therapeutics and Toxicology was created in January 1959. In 1979 it was decided that Toxicology should form part of Pharmacology and was therefore added on to this department. At present Pharmacology is being taught in the IV year

of the B.V.Sc. degree course and Toxicology in the V year of the B.V.Sc. degree course

The first M.Sc. degree (under the old regulations of the University of Madras) was awarded in the year 1960, for a Government of India Research Scholar. Subsequently 30 candidates have qualified for the M.V.Sc. degree. At present there are three candidates for the M.V.Sc degree course and four candidates for the Ph.D. degree course.

Fifty three research papers have been published from this department and seven research projects are in progress at present.

General :

This department is well equipped with adequate sophisticated instruments for teaching, demonstration and research. The achievements of this department in all its years of existence which are worthy of mention are

- 1) Publication of the Madras Veterinary College Hospital Pharmacopoeia in 1959.
- 2) Screening of a few plants for biological activity,
- 3) Preparation of injectable fluids required for the clinical sections of the College Hospital and
- 4) Two eminent teachers of this departments, Dr. M.R. Subramania Sastry and Dr. C.K. Velayudhan Nair have the unique distinction of having served as corresponding members from India, in the compilation of the first edition of the British Veterinary Codex (1953). Dr. Velayudhan Nair also served in the Veterinary Products Sub-committee constituted for the perusal of the Draft Monographs of the Indian Pharmacopoeia (1955) on behalf of the Principal, Madras Veterinary College. He was the Head of the Department for a long tenure of twenty years from 1949 to 1969 and contributed for the phenomenal growth of the department. The good work initiated by him was continued by his successor in office, Dr. V.M. Ramaswamy.

Officers of the Animal Husbandry Department & Tamil Nadu Dairy Development Corporation are also deputed periodically for a refresher course in batches. A few candidates deputed by the Govt. of Andaman and Nicobar Islands were given training in Pharmacy. It is proposed to expand the activities of the department by opening up new avenues like Clinical Pharmacology and Toxicology. It is also contemplated to start a "Drug advisory

Service" in the form of periodical pamphlets, for the benefit of the field staff. Pamphlets on latest drug information with particular reference to Veterinary practice will be distributed to the practising Veterinarians, a collection of which will ultimately form a good desk reference for them.

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★ COW DUNG PURIFIES

According to Vedic injunction, cow dung is filled with purifying potency. Modern science has confirmed the antiseptic properties of this valuable substance. It has been analysed to contain a high quantity of nitrogen & thus we have experience that cow dung is first-class fertilizer. We see that cow dung is used in Indian villages to clean all parts of the house, even the kitchen.

★ The **AUROCH** is a powerful wild ox, which weighs upto 2,000 lbs and more and measures nearly 7 feet from its hooves to its withers. It once abounded in the forests and plains of Europe. Today there are more than 1,500 auroch in the forests in Poland, Russia, Germany and some other East European countries.

Deadly Poisonous Fish

The Japanese puffer fish is called the "*deadly death puffer fish*". The skin, muscles, and internal organs contain a poison to which there is no drug for cure. Thus its flesh is considered a great delicacy by the Japanese. Special cooks are employed to handle the fish; even so, many who consume it die of food poisoning.

★ Animal with a difference

The Teheran Zoo's latest attraction is an animal with a difference it is a man. He is Ali Nowrouzi, a two meter 220- kilo giant who was hired at a daily rate of Rs. 450/- He eats 5 kilos of meat, 15 loaves of bread, and 10 kilos of fruit a day.

Historical Background :

The Department of Physiology had an independent existence in 1930. The first Lecturer in Physiology was appointed since 1932 and the Department was located in Dobin Hall consisting of One Lecture Hall and the Laboratory. In 1936, the College was affiliated to the Madras University and one Assistant Lecturer was also appointed in addition to the Lecturer. In September 1954, One Additional Assistant Lecturer was appointed. The designation of the Lecturer was changed to that of the Professor in July 1954. The Post Graduate Course was started in 1960-61 and during the same year the Department was shifted to the first floor of the Animal Husbandry Block. Simultaneously one Reader, one Lecturer and Two Assistant Lecturers were also appointed.

Present Staff :

Dr. S. Venkatayan	Professor & Head
Dr. L. V. Gopalakrishnan	Associate Professor
Dr. R. Govinda Rao	Assistant Professor
Dr. D. Mangalraj	,,
Dr. R. Thiagarajan	,,
Dr. S. Viswanathan	,,
Dr. M. Chandrasekaran	,,

Activities :

The activities of the Department includes :

i. Imparting education to Under Graduate and Post-Graduate Students in the subject of Animal Physiology.

ii. Examination of clinical materials and samples received from the Hospital section of the College as well as from the field staff.

iii. Running of a Laboratory Technician Course under its supervision and guidance.

The subject of Physiology which was taught under the traditional system was switched over to the Trimester system both to the Under Graduate and Post-Graduate Students from the Academic year 1978 - 79. No Doctoral Course is under operation at present, and out of the 2 members of the staff who had registered for the Doctoral Degree, one has obtained the Ph.D. degree in 1979.

Research

i. *I.C.A.R. Scheme* :- A scheme for the development of high producing strain of chick on the basis of serum alkaline phosphatase activity was in operation for a period of six years from January 1971 to January 1977.

ii. *State Scheme* :- A scheme on studies on Rumen Metabolism employing different oil-cakes was started in October 1970, and continued till April 1977.

Departmental Schemes :- The staff members in addition to teaching are also engaged in research programmes and have so far published 40 articles in research journals.

General :

The Department has also to its credit the following achievements.

i. Establishing an electron Microscope and Amino Acid Analyser.

ii. Procuring the necessary equipments for establishing an Isotope Laboratory.

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DEPARTMENT OF PHYSICAL EDUCATION

In keeping with the Development of this premier Institution, the physical Education Department has also grown to the present stature. Under the able and inspiring guidance of Dr. V.M. Ramaswamy, the President of the Madras Veterinary College Athletic Association and the Sports Secretary, Dr. R.A. Balaprakasam, the activities have grown from strength to strength.

The interaction between the student and the faculties is not confined to the lecture hall alone but extend to the sprawling play grounds of the College.

The Madras Veterinary College has been entering all the Inter-College Tournaments in all the games and players have won laurels in these tournaments. Now the students are getting training in all games and sports to participate in several tournaments at the Inter-University, Inter-Agricultural and Inter-Collegiate levels. The performance of our players and Athletes in all the Games and Sports has been note-worthy. During the past two years many students represented the Tamil Nadu Agricultural University.

In commemoration of the Platinum Jubilee Celebrations, we have organised the All-India Inter-Veterinary Games Festival at the Madras Veterinary College Grounds on 10th, 11th and 12th March, 1980, inviting several team in Basketball, Hockey, Football and Volley Ball from all the Veterinary Colleges of India.

Thiru S. Venkatraghavan, the former Captain of the Indian Cricket Team has inaugurated the All-India Inter-Veterinary College Games Festival and Dr. Bertie A 'D' Souza, the former Dean of Madras Veterinary College distributed the prizes. Hissar Veterinary College, Haryana won the permanent Trophy for Basket Ball and Madras Veterinary College won the other three permanent trophies for Hockey, Football and Volley Ball.

We have further development programmes to provide a Gymnasium, a stadium, a Swimming pool and a Recreation Club for the staff and students of Madras Veterinary College.

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★ What is Meant by thinking?

Think : Think : Think : And to keep on thinking is the secret of our advancement. Animals are more sharp brained than us. Their commitments are more immediate. Man on the other hand, messes around. His brain is blurry, so he is able to think better. Why a man thinks? How man thinks? What do we know about thinking? Please **Think : Think : Think :**

★ Bird sense

Birds have acute hearing and good sight. Most have eyes on the sides of their heads, which gives them a wide field of vision. They can detect the slightest movement and also distinguish colours. But neither taste nor smell are well developed in Birds.

DEPARTMENT OF PHYSICAL SCIENCES & LANGUAGES

Historical Background :

Over twenty years after the inception of the Madras Veterinary College, the necessity for imparting instruction in chemistry to the veterinary graduates of the college arose and a separate Department of Chemistry came into existence in 1930. With the introduction of five year integrated course in BVSc., in 1959, the need for imparting a sound knowledge in Physics and English was felt and these two sections were created in 1959.

After the merger of the Madras Veterinary College with the Tamil Nadu Agricultural University in 1976, the department was reconstituted and named as, "The Department of Physical Sciences and Languages." In 1979, the University felt the necessity of imparting a sound knowledge in Tamil to the BVSc., students which will enable them to have a better contact with the farming community and in solving their problems and with this objective Tamil course was introduced in the curriculum.

Present Staff :

Associate Professor and Head

Dr. P. Muthuswamy

Assistant Professors

Chemistry Section

Thiru V.S. Subramanian

Thiru K. Ayyadurai

Thiru T. K. Sundaram

Physics section

Thiru N. Dwarakanath

Thiru N.R. Srinivasan

Thiru A. Balraj

Thiru A. Basheer Ahamed

Thiru T. Kadambavanandasundaram

English section

Thiru V.S. Sivamohan

Thiru S. Hariharan

Tamil Section

• Thiru S. Jayaraj Nathaniel

Activities :

The chemistry section is involved in teaching the principles of physical, inorganic and organic chemistry to BVSc., students. It did not restrict itself to teaching alone but also took active part in carrying out a number of useful research activities viz. chemical analysis of calculi from the kidney and urinary bladder of animals, chemical assay of sex hormones present

in the urine of animals, water analysis and arsenic analysis etc.

The physics section was created mainly to teach the theoretical and practical aspects of Physics to the First year students. Besides this, it has also given assistance to the Post-Graduate students in handling the different types of instruments required for the study of various parameters like surface tension, viscosity, density etc. in materials like milk, rumen fluids and poultry feeds and also in the measurements of dimensions of egg shells and meat products.

Apart from effective teaching, to increase the standard of English among the students, the English section also extends its help to the staff and students in using English as medium of presentation and interpretation of scientific data. The Tamil section, in addition to teaching, also helps in the translation of technical information to Tamil for easy dissemination to the farming community. The language sections also guide the students to prepare themselves for their Oratorical and Essay competitions.

Research :

In the Department, research projects in Chemistry, Physics, English and Tamil are in progress. Each member of the Department is assigned research project of their own choice and interest. All the projects are oriented towards veterinary science and at present, work on forage nutrition, use of factory effluents for fodder crop cultivation, assessment of quality parameters for milk, meat, wool and egg are initiated. The language sections are engaged in preparing Tamil equivalents for technical terms.

General :

The four constituent units of this Departments are very vital for the improvement in the standard of the students. A knowledge in chemistry helps the veterinary undergraduates to have a basic knowledge not only in Chemistry but also understanding in bio-chemistry, physiology and pharmacology.

The principles of Physics are involved in the determination of Basic parameters which can be used in Veterinary medical treatment. Basic understanding and better contact with the outer world is provided by English teaching and the problems of the farming community can be understood easily by imparting them a sound knowledge in Tamil. ★

DEPARTMENT OF POULTRY SCIENCE

Historical Background :

Poultry Science Department had its humble beginning in the year 1970 with the creation of the post of one Reader and two lecturers in Poultry Science. Dr. K. Kumarasamy, headed the Department as the Reader. Initially by the early fifties the Department of Animal Husbandry was carrying out the Poultry Science activities. Later, by the early sixties the Department of Animal Hygiene took over the Poultry Science activities and was responsible for the sustained development of Poultry Science in the College. It was around this time the concept of Intensive Poultry farming was introduced in Madras and the suburbs and subsequently in the districts.

The post-graduate degree in Poultry Production leading to M.V.Sc. degree of the Madras University was instituted in the year 1972. The first batch of students for the M.V.Sc. degree in Poultry Production (main) with Poultry Genetics and Poultry Nutrition as subsidiary subjects joined the course in the month of October, 1972.

The Department of Poultry Science was further strengthened in the year 1973 with the creation of one post of Professor and two Assistant Lecturers in Poultry Science. The Doctoral programme in Poultry Science under the trimester pattern was instituted in the year 1977. Simultaneously Master's programme was also introduced under trimester pattern by the Tamil Nadu Agricultural University. These years coincided with the tremendous expansion of Poultry Industry on a commercial scale in Tamil Nadu.

The Department was once again reinforced in the year 1977 with the creation of two more posts of Associate Professors, one post of Assistant Professor and one post of Assistant Lecturer to meet the teaching needs of the department.

Present Staff :

Dr. P. Kothandaraman,	Professor and Head
Dr. I. Alfred Jayaprasad,	Associate Professor
Dr. K. Vedhanayagam,	,,
Dr. Bernard Muthu,	,,
Dr. J. Stanislaus Antony,	Assistant Professor
Dr. A. Gabriel Raj,	,,

Activities :

Fourteen candidates have taken their M.V.Sc degree in Poultry Science till 1978. Nine candidates for M.V.Sc. and twelve candidates for Ph.D. degree courses have registered and are studying under the trimester pattern presently either as part or full time scholars.

The Poultry Research Station, Nandanam is under the technical control of this department. Training programmes in Poultry Farming for the benefit of employed personnel and unemployed graduates in and around Madras city are being offered by this department. Farmers and other interested persons are given practical training in Poultry farming. The departmental staff actively participate in the Poultry connected work (as disease investigation, Poultry seminars, national symposiums, technical advice, guest lectures, T.V. Programmes, Radio talks and organising village level workers' training in the state of Tamil Nadu as and when called upon by the private and public sector agencies,

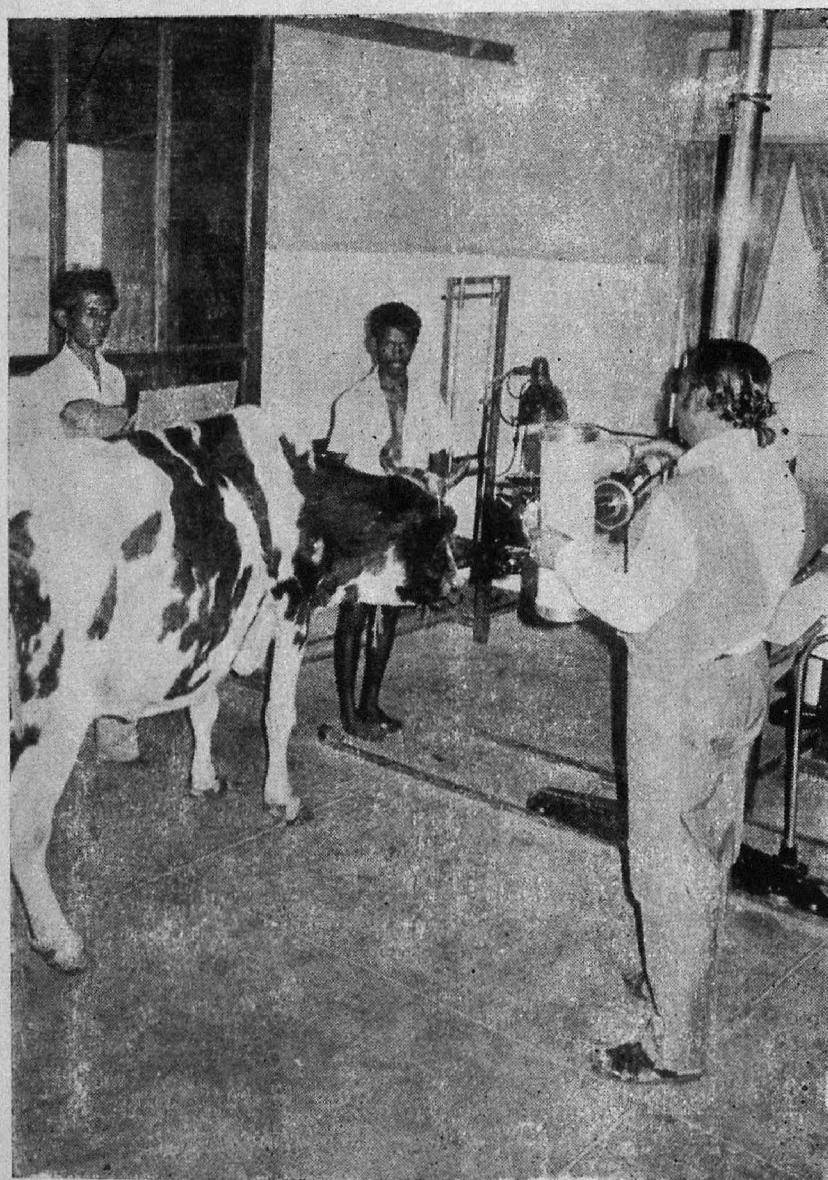
Research

Research problems chosen for the staff and students are oriented towards solving the problems of the people engaged in poultry industry.

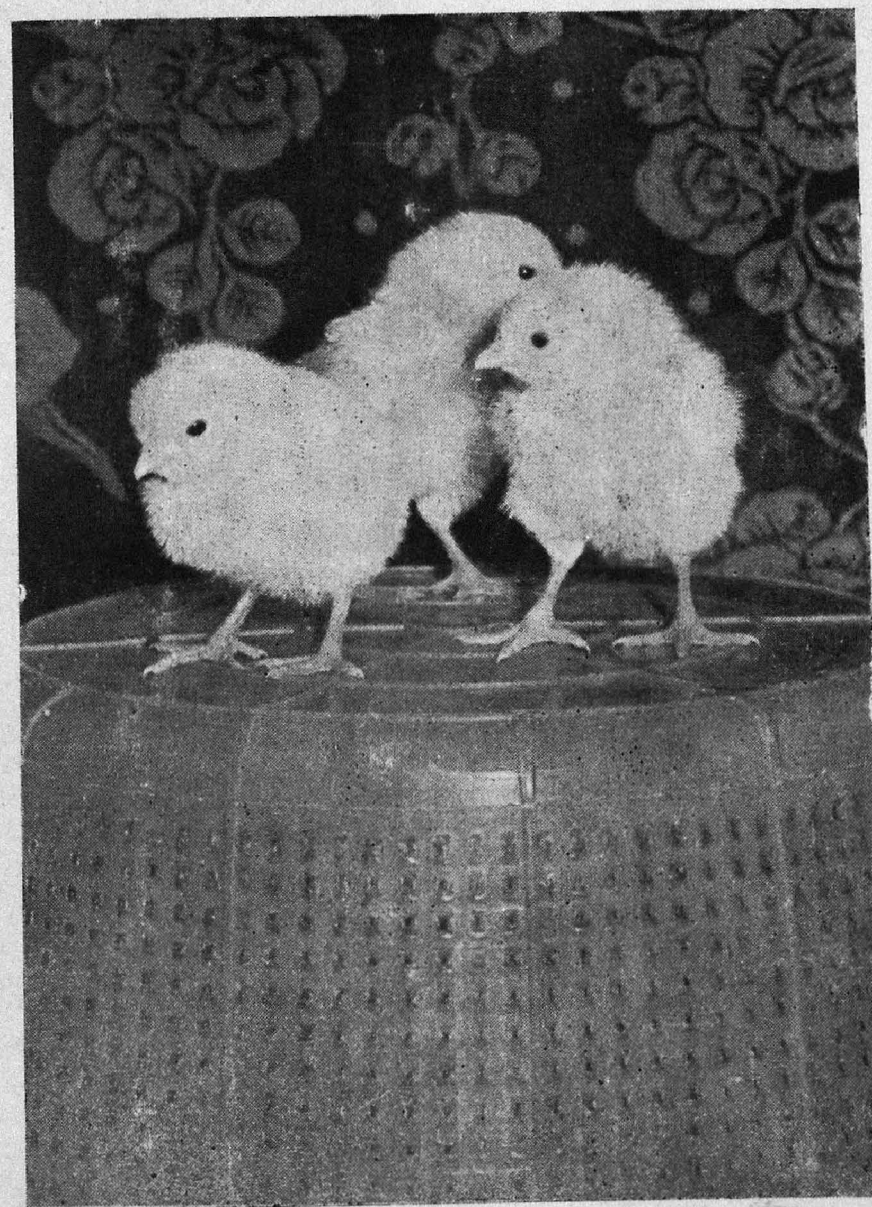
The staff of this department have written five text books in Tamil for the non formal education programme in poultry keeping under the auspices of the State council of Education Research and Training, Madras. The committee set up by the Government of Tamil Nadu with the Professor of Poultry Science as convener has written two guide books in English one for Poultry and the other for Dairying for the plus two stage of education in Tamil Nadu.

An undergraduate programme in Poultry Science is contemplated under the newly framed syllabus for B.V.Sc. degree curriculum in the College.

Proposals are under way for acquiring permanent space in the College for accommodating the Office, class room and laboratory for ramifying the activities of the department in terms of Education, research and extension.

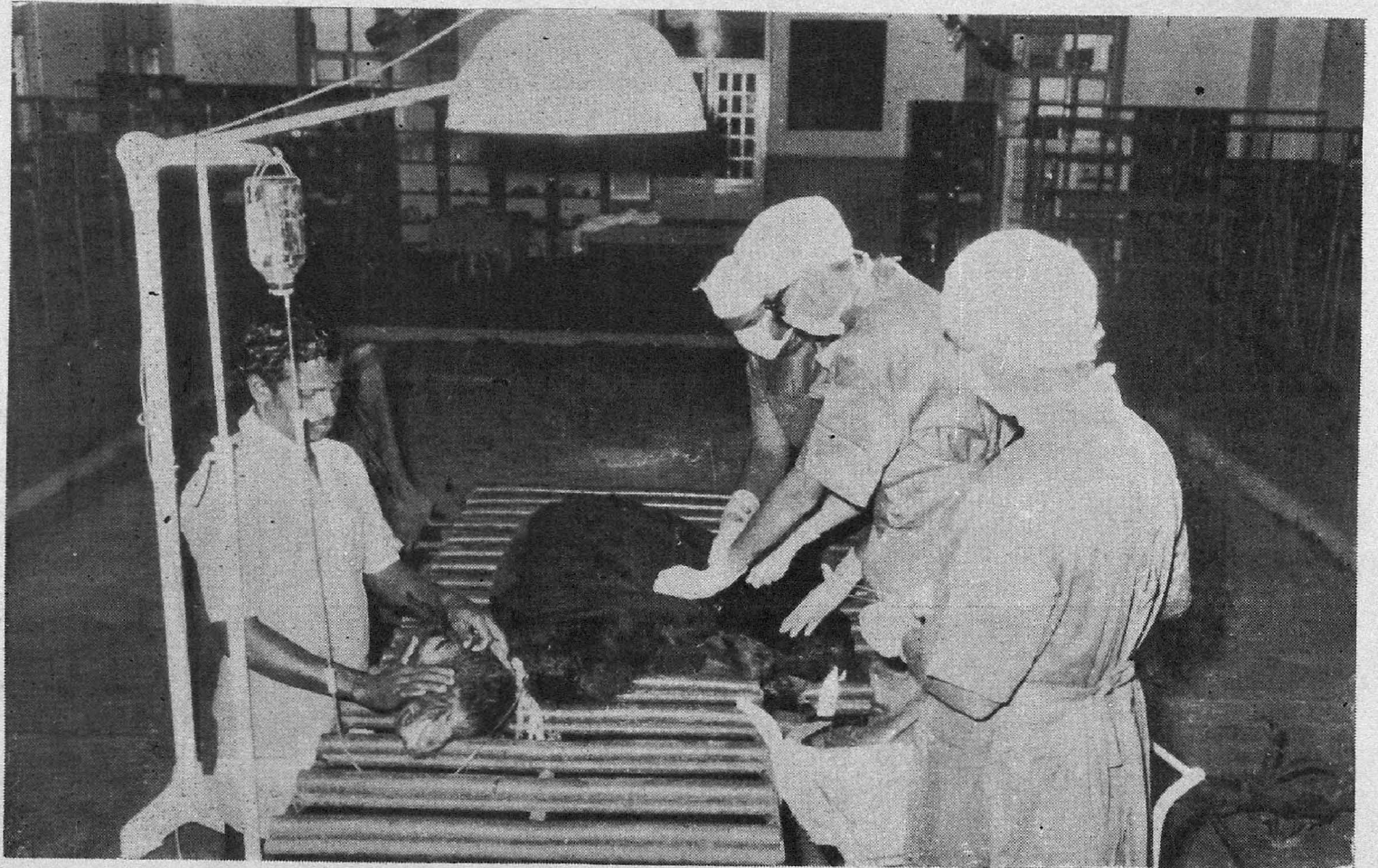


Radiological Screening of a Cow.



Broiler Chicks, I C 2 Strain.

14 MAY 1981



Operation In Progress — Large Animal Operation Theatre

DEPARTMENT OF PREVENTIVE MEDICINE

Historical Background

The subject of Preventive Medicine was taught since the inception of the College in 1903 till 1941 by the principal who was also the Professor of Medicine. During the period a Diploma Course was offered for 3 years and the subject of Medicine was taught during the second and third year. After affiliation of this college to the Madras University in 1936, the courses were intensified and the medicine department was teaching the subjects of Preventive Medicine and Meat and Milk Hygiene at the diploma and at the degree levels. In 1954, the Meat and milk hygiene was separated forming separate subjects for study at the degree level. In the final year degree, the subject of Therapeutics and Toxicology though taught by the department of Pharmacology for the administrative convenience the examination was clubbed with Preventive Medicine. The practical classes were conducted by the department of Preventive Medicine for both.

In 1958, the department of Therapeutics and Toxicology was formed and the combined examination was continued till became 1962. From 1962 onwards Preventive Medicine a separate subject in the final year and continues till date.

A clinical laboratory which was opened in 1928 was attached to the department of Preventive Medicine and it remained so till 1969. The staff of the department of preventive medicine and Parasitology were incharge of this laboratory. From 1969, it was handed over to the department of Pathology and was called as department of Clinical Pathology. The Clinical materials received from the hospital sections were examined and results were communicated.

A Radiology section which was started, in 1930 was also under the control of department of Preventive Medicine and One Assistant Lecturer was specially trained at the Barnard Institute of Radiology. This unit was handed over to the Department of Surgery during 1962.

In 1964 a nucleus unit of Laboratory animals was started in this department and in 1972 a separate department of Laboratory Animal Medicine

was started under the control of the Professor of Preventive Medicine. In 1976 this was separated into a separate department headed by an Associate Professor. This department was also in - charge of disease investigation section for a short spell of 1½ years investigating cattle and sheep diseases.

Present Staff :

Professor & Head : Dr. T. G. Abdul Khader.

Associate Professor : Dr. N. Raghavan.

Assistant Professor : Dr. M. Thanappa Pillai,
Dr. Mathew C. John,
Dr. J. Ramakrishna Rao,
Dr. (Mrs.)
Manorma Dhinakaran.

Activities and Achievement

Teaching and Research :

This department was teaching the subject of Preventive Medicine both theory and practical for the diploma courses from inception to 1930 and for the Undergraduates, from 1936 till date. Consequent to the upgrading of the Madras Veterinary College, as "Southern Regional Post-Graduate Educational and Research Institute" in 1958, M.V.Sc degree was implemented, in a phased manner. The Post-Graduate course in this subject was started in October 1962, taking only 2 students each year and subsequently 3 students were admitted from 1975 onwards.

From 1978, trimester pattern was introduced in the Post-Graduate course, since the college became a unit of Agricultural University from December, 1976. So far, 26 students have obtained their Masters degree in the subject of Preventive Medicine.

Twenty two publications which includes research findings and popular articles were published in the various journals.

Realising the importance of Veterinary Public Health in human medicine, this department has been offering a course of lectures on "Zoonoses" to the student of B.S.Sc. class, Officers of Public Health department and to the

final year students of the various Medical Colleges, from 1929. Collaborative research programmes have been undertaken in this regard. In addition, refresher courses for Veterinary Surgeons and Animal Husbandry Officers are regularly conducted to appraise them of the modern developments in the field of preventive medicine.

This department was in-charge of the Small Animal Clinic since the inception till September 1979 and the staff were engaged in the hospital work. The staff and the post-graduate students utilise the opportunity for conducting the research programme assigned. The Post-Graduate students and under-graduate students were given practical clinical training in the Small Animal Clinic.

General :

The field staff have been commissioning the services of this department, whenever they were confronted with disease problems and this department has been conducting investigation regularly and giving technical advise appropriately. Further, a novel scheme, "Accredited and Certified Herd Scheme" against the control of

Tuberculosis and Brucellosis have been implemented for the first time in India, in the year, 1975.

In the field of diagnosis of Rabies for the first time in India, ante-mortem diagnosis of Rabies in man and animals has been used as a routine diagnostic method in this department with the help of the Fluorescent microscope.

In the farms attached to this Institutions, disease control work, especially against Johne's disease was undertaken and the credit goes to this department for having controlled Johne's Disease in the sheep farms to the barest minimum within a span of 5 years by regular vaccinations and hygienic precautions.

In addition, this department has been offering advisory services on livestock and poultry diseases to the public as and when they are referred.

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★ Various South American animals including species of opossum have been reported resistant to snake venom. More recently it has been shown that the American opossum, *Didelphis marsupialis* Kerr, shows a considerable resistance to envenomation by several members of the family Crotalidae which are commonly referred to as pitvipers. Experimental study was shown that the North American opossum can withstand an intramuscular injection of 105.3 mg/kg of eastern diamondback rattle snake venom with only minor alterations in heart rate and blood pressure. Courtesy - Lab Animal sci., Vol. 28. No. 6.

DEPARTMENT OF STATISTICS

Historical Background :

For the effective planning of experiments and analysis and interpretation of results, basic knowledge of Statistics is absolutely essential. With this prime aim, statistics was taught to the Undergraduate students in Veterinary Science at the outset viz. in the first year of the course. The teaching of Statistics was offered to the students at Madras Veterinary College from 1959-60. Initially, the classes were manned by Senior Animal Husbandry Statistician from the office of the Director of Animal Husbandry on part-time basis. Subsequently, the need for having separate teaching staff was increasingly felt as the services of statistics experts were required for planning the experiments scientifically for the various departments in the College and farms in the Department of Animal Husbandry. In addition, Statistics courses were also started for the benefit of graduate and PostGraduate students. These increased activities have resulted in the formation of an independent Statistics Department in the year 1966. The department is functioning with one Associate Professor as Head of the Department and with three Assistant Professors to help him to carryout his responsibilities effectively.

Present Staff :

Associate Professor (on leave)

Dr R. Venkatesan

Assistant Professor

Thiru V. Gopalakrishnan

Dr. M. Ganesamoorthy

Dr. P. Dhanapalan

Activities :

Presently, the course in Statistics under the following headings are offered to Undergraduate students, graduate and Post-Graduate scholars.

i) Statistical Methods

ii) Design of Experiments

The services of the departmental staff are also better utilised for proper planning of experiments by other departments and also in analysis and interpretation of the results of experiments.

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DEPARTMENT OF SURGERY & R. V. S.

Historical Background :

The Department of Surgery started functioning in the year 1903 offering a Diploma Course. The subject was included in the syllabus for the B.V.Sc. degree from 1946. In the year 1960 the department was upgraded to impart Post Graduate education in Surgery.

Eminent personalities as Menon, D'Silva, Wilson, Saunders Nair, Hurley and Swaminatha Iyer headed the Department. Dr. R. Swaminatha Iyer's contribution to Equine Surgery, Dr. M. N. Menon for Canine Surgery and Dr. F. D. Wilson for Bovine Surgery are significant. Dr. M. N. Menon was awarded the fellowship of the Royal College of Veterinary Surgeons, England for his work on "Trans thoracic oesophagotomy in canines conducted at this College. Dr. F. D. Wilson, Dr. E.I. Rajendran and Dr. M.S. Dewan Muthu Mohamed were awarded the Rao Bahadur Swaminatha Iyer Memorial Medal for the best clinical article published in the Indian Veterinary Journal during the years 1962 and 1969. 37 dissertations were guided, so far.

Present Staff :

Dr. E.I. Rajendran	Professor and Head
Dr. Godfrey David	Associate Professor
Dr. Kathaperumal	„
Dr. R. Krishnamurthy	Assistant Professor
Dr. Dewan Muthu Mohamed	„
Dr. M.G. Richard	„
Dr. Abraham Manickarajan	„

Activities :

Research done in this Department is transmitted to the field and followed as standard procedures. Significant contributions are urethrotomy technique in bovines, intra thoracic anaes-

thesia in felines, foreign body evacuation in bovines and balanced anaesthesia in Canines.

The department has three operation theatres equipped with modern appliances as Mark 9 automatic respirator, Narkovet anaesthetic apparatus for large animals, E.C.G. monitors, etc. The equipments are used for clinical and research work. A surgical laboratory is being built up at present.

The Radiology section attached to this Department is equipped with a 120 K.V. and a Mobile X-Ray plant. On an average, 1200 pictures are taken in a year. The section is equipped with ultrasonic therapy, diathermy, Ultraviolet Ray and Infra-Red therapy, Nerve Muscle stimulation and Electronic massage. These equipments are used for clinical cases numbering 1200 per year.

In December 1979, the Department hosted the 3rd symposium of the Indian Society for Veterinary Surgery. Being an All India Association, delegates representing all the Indian Universities were present and 52 technical papers were read in the sessions. Demonstration of skills which included acupuncture anaesthesia in bovines, Electronarcosis and Experimental cardiac by pass technique in canine were added features in the symposium.

General :

Upto December 1979 Fifty four articles from this Department have been published in various journals.



Historical Background :

To begin with, the subjects Therapeutics and Toxicology were taught by the staff of Pharmacology department for the fourth year B.V.Sc. class students. The examination at the degree level was conducted as Medicine including Therapeutics and Toxicology in the Final year upto 1962. However in the year 1958 the subject of Therapeutics including clinical medicine and Toxicology was formed as a separate department and started functioning in the old Dobbin Hall building. With the introduction of Integrated BVSc degree course of five years and one term duration, the examination at the degree level was conducted as separate paper under final BVSc Part II from 1963. In December 1962 the department was shifted to clinical block and had been functioning there till 1971. In January 1980 a more spacious accommodation with more laboratory facilities for the Post-Graduate and Undergraduate students was provided in the new clinical complex building and the department was shifted to that premises.

Consequent to the upgrading of the college as a Southern Regional Centre of Post-Graduate Education and Research this department was upgraded as Post-Graduate department in the year 1958 and the actual Post-Graduate course was started in the year 1960 September in a phased manner.

Present Staff :

Dr. V.V. Nagarajan	Professor and Head
Dr. R. Balasubramanian	Assistant Professor
Dr. V. Gnanaprakasam	"
Dr. T.S.S. Rajan	"

The department when it started functioning was headed by one Professor assisted by a Reader, one Lecturer and two Assistant Lecturers. Subsequently one more Assistant Lecturer was added to strengthen the department. Consequent to the formation of the department of Clinics during September '79 this department was depleted of the only Associate Professor and one Assistant Professor. The present staff strength is one Professor and three Assistant Professors.

Teaching and Research :

This department continues the teaching and research programme from the time of its inception and gives theoretical and practical training

to the Fourth and Fifth BVSc and MVSc students in the field of diagnosis and therapy of ailments of Livestock. Since this department is a basic clinical department it was fully incharge of Large Animal Clinic Medical Unit till September 1979. Utilising this opportunity the Undergraduates and Post-Graduates were given intensive clinical practical training and also the clinical materials available were utilised for Post-Graduate research programmes. Over the years sophisticated instruments were acquired for the use of the staff and Post-Graduate students enabling them to work on research projects keeping in view the field oriented problems. The staff of this department have been guiding the Post-Graduates in all the research programmes. So far 37 Post-Graduates had graduated out of this department and they had submitted their dissertations.

From this department 30 clinical articles have been published on the research conducted in this department by the staff and Post-Graduate students. Popular articles of use to the farmers and dairymen in the field have been published in the regional language for the benefit of the common. In addition special advisory service and lectures to the field staff in solving problems related to complicated cases have been rendered. The activities of the department are extended still further by offering refresher training course for the Assistant Directors of Animal Husbandry and Veterinary Assistant Surgeons of the Animal Husbandry Department, Government of Tamil Nadu every year. The educational activities are extended even to the Extension Assistants of Tamil Nadu Dairy Development Corporation and for the final year students who sit for competitive I.C.A.R examinations. The subject of Toxicology was the part and parcel of Therapeutics and the staff continued to teach the subject till June '79 when it was handed over to the department of Pharmacology to which it was clubbed. Presently this department is offering advisory service on complicated cases attending the hospital section and when they are referred to the department. The Post-Graduate students continue to utilise the hospital section as in the past.

Currently this department as a future plan has undertaken research in connection with diseases of rumen and blood transfusion in cattle and dogs to benefit the farming community directly.

MADRAS VETERINARY COLLEGE HOSTEL

History :

The Madras Veterinary College Hostel was started in the year 1905 with six student-inmates in a dormitory over the Dobbin Hall. It has grown into a large hostel with 276 rooms to accommodate 552 students. In 1931 two blocks were built very near the college at a cost of Rs. 1,30,000 to house 160 students. Later an extension was made in the space adjoining the 'Society for the Prevention of Cruelty to Animals' building to offer more accommodation. In 1951 a temporary structure was built adjoining the main hostel to house 50 students. A well planned block with ground and first floors consisting of rooms accommodate one or two students was constructed in the year 1958. In 1976 a two storied Post-Graduate hostel block was constructed with modern amenities like fan etc. This however has not eased the pressure on demand for space and so our proposals to replace the extension block with a three storied structure have been approved. Students of our College belonging to Sri Lanka, Nepal, Malaysia, Philippines, Iran, and Nigeria find accommodation in the hostel.

Staff quarters :

The Warden and three Deputy Wardens are provided with quarters for immediate supervision of the activities of the Hostel. Quarters are available for the attendants employed in the Hostel. In 1979 residential quarters for twelve staff members have been constructed.

Guest rooms :

In addition to the eight guest rooms in the New block, twelve more rooms have been constructed in the P. G. Block in 1976. A teachers hostel was built and commissioned in 1979 with fourteen rooms.

Boarding :

A common mess and a Post-Graduate mess are run by students on dividend system. A mess advisory committee of College staff help the Warden in matters concerning the mess.

Administration

The Office manned by a Superintendent, a Junior Assistant and a Cashier appointed by the University is assisted by an advisory committee of staff members of the college to handle day to day business of the hostel.

Recreation :

The latest addition to the existing recreation facilities is a Television set. A canteen has been established for providing light refreshments. The reading room receives a large number of English and Tamil News papers and Magazines. Telephone facilities are available to the inmates. A ping-pong table, Carroms and Chess boards are made available. Out-door games facilities for Ball Badminton, shuttle Badminton Basket Ball, Volley Ball and Tennis along with a small Gymnasium are available. The General Body's elected representatives conduct the Independence Day, Republic Day, Hostel Day, Ka'aimagal Kazhagam Day and Muthamizh Vizha celebrations with great enthusiasm each year.

