



Report<sup>1</sup>

The East African Trypanosomiasis Research Organisation,  
(EATRO) P.O. Box. 96, Tororo, (Uganda).

I was received by Dr. T. Ogada, Chief Medical Officer of the Organisation, who first took me to various departments of the Institute and acquainted with the projects and programmes.

There after a special meeting of senior staff of the Institute was arranged, where I talked regarding the questions indicated in the objective of mission.

1. Selection of Research programme:

EATRO continues its research activities based on the biennial research programme approved by the specialist committee for Trypanosomiasis of the Medical Research Council of the East African Community.

The main research work is confined to the following:

1. Protozoology
2. Biochemistry
3. Entomology
4. Human Trypanosomiasis, and
5. Animal Trypanosomiasis

Most of the present research is the continuation of previous programmes, and other are based on problems and experiments from the field.

2. Relationship with the Economic Plan of the Government:

There is no relationship at all. Dr. R.J. Onyango, Director of the institute is an ex-officio member of the specialist committees of the Medical Research Council.

3. Research Communication and utilisation:

The communication of results of research is mostly done through the annual report, which is widely distributed in the three countries. The major contact points of the Organisation are:

Senior Entomologist,  
Vector Control Division,  
P.O. Box. 1661,  
KAMPALA, Uganda.

Chief Tsetse Officer,  
Ministry of Animal Husbandry,  
Game & Fisheries,  
P.O. Box. 141, KAMPALA,  
Uganda.

Senior Specialist Parasitologist,  
Division of Insect Borne Diseases,  
P.O. Box. 30141,  
NAIROBI, Kenya.

Chief Veterinary Research Officer  
Chief Zoologist,  
Veterinary Research Laboratory,  
P.O. KABETE, Kenya.

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1. The information contained in this report is based on personal discussion and does not form the part of the Institutes publications.

Medical Officer I/C Sleeping Sickness,  
P.O. Box. 19,  
TABORA, Tanzania.

Director of Medical Services,  
Ministry of Education,  
Medical Department,  
Private Bag 5,  
GABERONE, Botswana

Officer in Charge,  
Tsetse Control Section,  
Training Institute,  
P.O. Box. 603,  
MOROGORO, Tanzania.

4. Services rendered:

The organisation runs a small hospital both for service and study of sleeping sickness.

A systematic training course on diagnostic techniques used in trypanosomiasis for field officers and technical assistants are held at the Institute. The course lasts for 13 days and only two candidates are admitted from the following ministries:

- Ministry of Health, Uganda
- Ministry of Animal Industry, Game & Fisheries, Uganda
- Ministry of Health, Kenya
- Ministry of Agriculture, Kenya
- Ministry of Health, Tanzania
- Ministry of Agriculture, Forests and Wildlife, Tanzania

5. Other information:

It was informed that there is lot of duplication of research work on Trypanosomiasis by the Medical Research Institute and individual National Government Laboratories.

The institutes engaged in similar projects are located at Entebbe (Uganda), Kabete (Nairobi), and Dar-es-salaam (Tanzania).

For further liaison with the Institute I was suggested to contact:

1. Dr. R.J. Onyango  
Director.
2. Dr. B.A. Allsepp  
Public Relations Officer

6. Relation with the East African Academy:

There are two members of the Academy in the Institute. I was informed that the Institute presented papers in the 4th Symposium of the Academy held in 1966.

It was remarked that I was first person from the Academy to visit E.A.F.R.O.

7. UNESCO questionnaire:

The UNESCO questionnaire was not ready and Dr. Ogada promised to send me the same soon.

East African Virus Research Institute, P.O. Box.49,  
ENTEBBE, Uganda.

As previously arranged, I met Dr. P.M. Tukei, Virologist who first took me round to the Institute and gave a brief account of work being done there.

Thereafter, I joined the special meeting attended by seven senior research workers of the institute and matters indicated in the object of visit were discussed.

1. Problem of research:

It was informed that the Institute is aware of the virus diseases prevalent in East Africa and is engaged in their proper identification, treatment and eradication. The main projects are Arbovirus isolation, identification studies, yellow fever, outbreak of diseases, Burkitts tumour and entomological studies.

2. Relationship with National Governments and the Plan:

There is no direct relation of any kind. The Institute has a direct link with the Faculty of Medicine, Makerere University College, Kampala. Institute staff undertake all teaching in virology at the Medical School. A few research projects have been undertaken in collaboration with Medical School and Mulago Hospital of Kampala.

Communication: - In addition to the annual report the research workers publish their papers in various journals.

Significant achievements are circulated in the form of circular to various ministries of the three Governments.

Services: - In addition to research and teaching, the Institute advises the Hospitals on their virus problems, and other medical investigations!

The institute has started an out-patient dispensary in February 1967 for study and collection of blood samples for isolation of virus.

Relation with the E.A. Academy:

- The Institute staff being much in contact with the Makerere University College, are seen to be more attracted towards the Academy activities. There are 6 full members from the Institute. The Director himself takes interest in the Academy Symposium, seminar and lecture meetings.

UNESCO questionnaire

- This was filled in and sent to the Academy Office earlier together with a copy of annual report.

Ministry of Planning and Economic Development  
Government of Uganda (Entebbe)

Since Permanent Secretary and his deputy were not available, I was received by Mr. John B. Mukalazi, senior Economist of the Ministry and discussed with him at length on Science Policy making body in the Government, planning of scientific research, research coordination etc., Some of the significant items discussed were as follows:

Position of National

Research Institutions: - The Research Institutes are at present part and parcel of the concerned Government Department and it is these departments who decide about the programme and finance for research.

Representation of  
Member of science  
and research on the  
Planning Body:

- There is no centralised machinery to coordinate the activities, and also the planning body does not cover this subject directly.

The Planning Committee consists of the following members:

- |  |                      |               |
|--|----------------------|---------------|
| 1. President   | - Republic of Uganda | Chairman      |
| 2. Vice-President<br>and Minister for Planning<br>and Economic Development   |                      | Vice-Chairman |
| 3. Minister for Animal<br>Industry, Game and Forestry                        |                      | Member        |
| 4. Minister for Commerce<br>and Industry                                     |                      | "             |
| 5. Minister for Finance  |                      | "             |
| 6. Minister for Education  |                      | "             |
| 7. Chairman Uganda<br>Electricity Board                                      |                      | "             |
| 8. Chairman Uganda<br>Development Corporation                                |                      | "             |
| 9. Permanent Secretary -<br>Minister of Planning and<br>Economic Development |                      | Secretary     |

Technical, Scientific and Research

Requirements in the Government Plan - The Technical Assistance Division of the Ministry receives information from different Government Departments and incorporates them in the plan. However, looking to the growing importance of Science and Technology, The Ministry plans to establish a "Scientific Research Division" for plan-coordination.

**Possibility of  
establishing**

**National Research Council:-**

A National Economic Research Advisory Council has been constituted early this year (1969).

The question of Scientific Research Council is not at present in the mind. The work pertaining to Scientific Research shall be initiated at the beginning by the proposed Scientific Research Committee of the Ministry.

**Coordination between  
the National Research  
Institutes and the  
Research Organisations  
of the E.A. Community:**

- The E.A. Community Research Organisations are expected to take the whole region as the sphere of their work, and may include fundamental research in their programme, while the National Research Institutes cater for the local needs.

It was indicated that there was practically no coordination.

**Allocation of budget  
for science and  
scientific research:**

- The subject is dealt by the concerned Governments Departments. The Ministry of Education looks for the University and Technical Institution, while the individual Governments Departments like Agriculture, Veterinary, Health allocate a part of their budget for research separately as they consider proper.

**Studies undertaken  
by the Ministry.**

- The Ministry carried out a High Level Man-Power Survey, and analysis of requirements 1967-1981. A report on the subject was prepared by the Manpower Planning Division.

I was presented with a copy of above report which shows the survey, the projection results and the new measures that will have to be introduced to ensure that:

- a) the manpower needed is in fact produced;
- b) once produced it is utilized where needed;  
and
- c) the economy is Ugandianized in a rapid and orderly fashion to abolish future manpower bottlenecks.

List of research  
Institutes:

- Mr. Mukalazi promised to collect information from all the Government departments and sent to me. He added that such a consolidated list would also be useful for his ministry.

UNESCO Questionnaire: -

Mr. Mukalazi told me to send the same duly completed soon.

Coordination with the  
E.A. Academy:

- I was informed that the Minister of Planning is very little informed of the E.A. Academy. I explained in brief the aims, objects and programme etc. The Secretary, Uganda Branch of the Academy has suggested to get in touch with this Ministry as well.

East African Academy

Uganda Branch:

I had two long meetings with the members and the Executive Committee of the Branch and discussed matters concerning strengthening of local Branch and its relation with the Central Executive Committee. My mission also included discussion and finalisation of arrangement for annual conference, Annual General Meeting, Council and Symposium to be held in September 1969 at Kampala.

In addition I had met various University Staff members to discuss both about the Academy and Scientific Research in the University. The idea was also to collect information on research work completed and in progress, under faculty of science, Agriculture, Veterinary and Medical.

**E.A. Fresh Water Fisheries**

**Research Organisation:** P.O. Box. 343, Jinja, (Uganda)

The last Research Organisation on the above visit was Fresh Water Fisheries Research Organisation, P.O. Box. 343, Jinja (Uganda) where I met Dr. J. Okechi, Director of the Institute.

Research projects:

Research projects include, commercial fisheries, investigation and survey, breeding of selected varieties of fishes and studies of bottom deposits and mud of lakes etc. The activities of the institute is presently confined to Victoria Lake.

Relationship with the Government:

The Institute works in close coordination and collaboration of the Fisheries Research Coordination Commission consisting of the following members:

1. Mr. S. Semakula - Chief Fisheries Research Officer, Uganda
2. Mr. P. Wattson - " " " " , Kenya
3. Mr. J. Kombene - " " " " , Tanzania
4. Prof. of Zoology - Makerere University College, Kampala
5. Director, Fisheries Research Organisation, Jinja, Uganda
6. Director, E.A. Marine Water Fisheries Research Organisation Zanzibar.

Invitees: 7. Project Manager, Lake Victoria Fisheries Research Project.

8. <sup>No. P. B. 10.</sup> Jackson, F.A.O. (~~Mr. D. B. N. Jackson~~)

The above committee decides the programme of the institutes and also makes its necessary appraisal. The Committee meets once a year. In addition, there is Fisheries Technical Committee which consists of the following.

1. Head of Fisheries Department of the Governments of Kenya, Tanzania, Uganda and Zambia
2. Director of E.A.F.R.O.
3. Field Officers

Here the problems of the field are discussed. The Committee also discusses extension programme of the work undertaken and completed in the Institute. Fishery Technology and Technique of catching fish form one of the main assignments of the Technical Committee.

The Institute has economists and research workers, who look to the economics of each project carried out in the institute.

There was no problem of coordination and the institute is made to rendering valuable service to the three countries.

UNESCO questionnaire:

This was sent to me earlier.

Relation with E.A. Academy: Dr. Okedi, the Director of the Institute himself is quite interested in the Academy programme and contributes paper in each of the Academy Symposium

East African Industrial Research Organisation,  
P.O. Box. 30650, Nairobi (Kenya):

(14<sup>th</sup> Aug. 1969)  
On an appointed date I visited the Institute on  
and met the officiating Director, Mr. C.L. Tarimu  
He had first arranged a talk by me to his senior staff members  
wherin I gave an account of working of the Council of Scientific  
and Industrial Research, India.

Thereafter I discussed on various points of my interest  
(see objective of mission to Res. Org.) and summarise the position  
as follows:

The organisation: This is governed by Common Market & Economic  
Affairs Division of the East African  
Community.

Programme: The programme of the organisation is mainly dependent  
on the projects and problems sponsored or referred by  
outside organisations, government department and  
industry. This include analysis and testing,  
investigation on utilisation aspect of a product,  
industrial problem solving etc.

Analysis work undertaken:

1967 - 1968

Minerals	51
Mineral oil	26
Soap	12
Food and feeds products	11
Miscellaneous	112

The method of charging fee for sponsored problems by industries  
is worked out on the basis of "man hour spent" as follows:

Research Officer - £.170 per month

Laboratory Technicians £.110 per month

Testing and analysis charges are £20 only. However, there is  
no system of contracting between the party and the organisation.  
The party can even withdraw the project during investigation  
causing serious loss to money, material and time of the organisa-  
tion. Sometimes when a particular investigation requires more time  
than indicated by the organisation to the party and there-by the  
enhancement of investigation fees, the sponsored party is not bend  
to take the results and if they dont agree for enhanced fee, the  
project is dropped - this again causing sever loss to the organisa-  
tion.

In a few cases the sponsoring parties dont pay the investigation  
fee and the money has to be written off by the organisation.

Research: Parctically no research as such is carried out at present  
by the Institute. This is due to the present policy and  
lack of funds and Research workers.

Any other

information: It was informed that the E.A. Community is awaiting  
recommendations of "Working Party on Research" for  
initiating and adding further programme in the Institute  
However, there is a thinking of setting up of a  
"Industrial Research Council" in the Community to  
administrate and advise the Institute.