

ON THE ACTIVITY OF THE TISZA-RESEARCH WORKING COMMITTEE IN 1976

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The work of the Tisza-Research Working Committee continued in the framework of the 5- and 15-year plans approved by the Hungarian Academy of Sciences, concerning the theme: „A complex research of the Tisza and its flood-plain, with respect to the river barrages and the nature conservation areas.”

The research work is connected in the 15-year long-range plan of the Hungarian Academy of Sciences with the detail-work named: 2.3 „Research into water ecosystems”, within the main direction: „Protection of the natural environment of man (biosphere)”, belonging to the programme „Man and Biosphere”. It was inserted into the research-plan 1976—1980 of the main direction of the biosphere-research at departmental level.

The research was continued in the whole Hungarian Tisza stretch, with the greatest intensity, at any rate, in three concentrated areas, indicated according to the social demands. These are:

1. In the place of the Reservoir of about 200 square km surface, developed above the Tisza II river barrage (Kisköre), we have fixed the present state of the ecosystems, following with attention their beginning transformation. We offered a proposal for designating the nature conservation area. In this district, a collective of our co-workers functioning in the Kisköre Laboratorium have worked as one of the units of our group. Our meteorological stations functioning at two points of the area, at Sarud and Tiszaszőlős, were measuring the mesoclimate through the whole year.

2. In the district of the projected Tisza III reservoir (Csongrád) we have investigated the present state of ecosystems, in addition to the basic research, with the aim, to make suggestions for preserving in an uncorrupted state certain valuable Tisza reaches, resp. their biocoenoses in the course of the nature transformation. The investigations performed in the district of the Dead-Tisza Arm at Tóserdő belonging to the Kiskunság National Park served, at the same time, the aims of the National Park, as well (discovery of the living world of the reservation). In the experimental area outlined here, there functioned an ornithological stock-taking group.

3. The research works in the Region-Conservation District at Mártély continued primarily for region reconstruction. In the botanical and ornithological experimental areas a collective work was carried out. Our mesoclimate-station at Körtvélyes performed its meteorological observations through the whole year.

Besides these, investigated areas were also the following river-reaches: the environment of Szeged, the Upper-Tisza, Maros, Sajó.

The number of studies prepared was 20. From these 10 were published. There were two popularizing articles. Of their research results 18 co-workers have rendered account in 32 addresses, delivered in the Tisza-Research Conferences, Hydrobiological Days, the Biological.

Itinerary Congress, in the Hydrobiological Refresher Course, in the Society of Hungarian Hygienists, the Hungarian Biological Society, in the Synposion of Hungarian Malacologists, at the Conference of the Scientific Research Institute for the Management of Water-Supplies, at the session of the National Institute of Public Hygiene, at sessions of the Hungarian Ornithological Association and of the Ornithological and Nature Conservation Circle.

Five co-workers participated in inland field-trips for exchanging working experiences abroad (Southern Tisza) was one co-worker.

Two co-workers enjoyed the scholarship of the Hungarian Academy of Sciences for supporting the scientific research work of secondary-school teachers.

The number of members of the Working Committee is 46, they are living in 14 communities of the country. In the course of 1976, four new co-workers became connected with our programme.

The distribution of researchers according to their special fields is: hydrobiology 21, botany 5, zoology 18, physical geography-climatology 2 persons.

At Tisza-Research Conference VII, held on May 7—8, the co-workers rendered accounts in 20 addresses of the result of their research work, and there were almost 100 contributions to the discussions over the delivered addresses. The formulated propositions, recommendations mimeographed were sent, apart from members, to the interested institutions, as well.

The summaries of the addresses at the Conference have been published in an independent booklet.

There was also issued a mimeographed publication bearing the title „Publication II of the Tisza-Research Working Committee (1973—1975)”, containing the bibliographical data of studies.

Our published periodical is vol. X of the *Tiscia*. Its publication was promoted by the material assistance of the Executive Committee of the Middle-Tisza Region, as well.

By means of the *Tiscia*, we are in a regular contact of exchange of publications with about 35 scientific institutes at home and abroad.

In the Centre of the Tisza Research, the establishment of a Tisza-Research library with the help of the exchange material has been finished. Several hundreds of in- and outlandish publications dealing with the researches into the waters and their environment are here at the disposal of co-workers.

The problems connected with research and publication were treated at sessions of the Tisza-Research Working Committee (TRWC), held on three occasions, and of the Editing Commission of the *Tiscia*, at two occasions.

In the course of the year, co-workers and the competent organs were informed more than once by means of a multiplied material. (E. g., on the projected Tisza III river barrage, the region reconstruction at Körtvélyes and the reflection of the Forest-Organizing Committee, details of the 5-year plan prepared for years 1976—1980, etc.).

For the research work carried out in the Kiskunság National Park there was secured some material support by the Hungarian Academy of Sciences.

A conference was convened by the TRWC for discussing the region reconstruction of the island Körtvélyes, in co-operation with every interested institution in the area. The here formulated proposals were sent to the leading organs interested in the problem.

In the course of Summer, the president and secretary of the TRWC participated in a reconnaissance flight in the Hungarian Lower and Middle-Tisza Regions, over the flood-plain, by the aeroplane of the National Water Office, for studying the vegetation in the flood-plain.

There was made a proposal by the TRWC for the National Water Office and National Office of Nature Conservation, for afforesting the Tisza region.

The governing body of the Tisza Research, invited by the National Office of Nature Conservation took part at a conference. Giving their expert opinion, they supported the plan of a reservation to be formed in the Tisza II district.

Our basis I, established on the island Körtvélyes, has functioned well as depository and quarters. Our basis II was built up at Tóserdő.

Our small ship "Kolokán" has rendered a good service in visiting the research sites that are not to be approached by land, in the conveyance of materials, and collecting sample-materials for the investigations.

Tisza-Research Working Committee:

Dr. Imre Horváth (President), Dr. György Bodrogeközy, Dr. László Móczár (Deputy presidents), Dr. Miklós Marián (Secretary), Dr. Mihály Andó, Dr. Magdolna Ferencz, Dr. István Kiss.