

SPEECH BY THE GENERAL DIRECTOR, Dr. SADRETTİN ALPAN,  
ON OPENING THE 1963 FIELD SEASON

My dear friends,

I wish to take this opportunity to give you some information on various subjects with which the Institute is concerned and about which I have spoken to you on a number of previous occasions. I will also try to enumerate your duties, as I see them, toward the Institute and the fulfillment of our working programs.

**Five-Year Plan and Projects**

The Five-Year Plan covering the whole country and the plans to be fulfilled during 1963 have been approved by Parliament. As to our Institute, we have also prepared a working programme based on the plans for 1963 with details worked out for 25 different projects.

From March 1963, we shall commence the projects listed below :

- I Geological survey and exploration of iron ore deposits.
- II Geological survey and exploration of copper ore deposits and accessory minerals.
- III Geological survey and exploration of aluminium ore deposits.
- IV Geological survey and exploration of gold and silver occurrences.
- V Metallic and non-metallic prospection and geological surveys.
- VI Coal classification project.
- VII Geological survey and exploration of coal deposits.
- VIII General prospection and geological survey project of coal occurrences.
- IX Geophysical surveys.
- X Prospection for radioactive minerals.
- XI Exploration of radioactive mineral deposits
- XII Publication of geological maps.
- XIII Study and interpretation of geological maps.
- XIV Petroleum survey.
- XV Hydrogeological surveys.
- XVI Volcanological surveys.
- XVII Geothermic energy studies.
- XVIII Geological survey and exploration of chrome ore deposits.
- XIX Geological survey and exploration of industrial raw materials.
- XX Gravimetric and magnetometric mapping of Turkey.
- XXI The construction of technical bureaus and laboratories.
- XXII Geological survey and prospection of boron mineral deposits.
- XXIII Photogeology through coloured photography.
- XXIV Regional surveys.
- XXV Geological Map of 1 25 000 scale.

**Airborne Survey Project**

We have come to an agreement- with the U.S. Government that the necessary instruments and equipment will be supplied to our Institute by AID equivalent to the remaining \$ 340 000 appropriated to the Institute through DLF on

condition that the aeroplanes are provided by our Government. Through the intermediary of our Ministry, the Ministry of Finance appropriated the necessary amount of money for the purchase of two aeroplanes, Dornier and Aero-Commander types.

At present, the technical report is being prepared by the Geophysical Section, giving in detail the equipment to be ordered with the said \$ 340 000 when the two Governments come to an agreement on this subject, which we hope will be in the near future. We should then be able to commence the mineral prospection for the 1963 field season with the benefit of these aeroplanes and equipment.

#### **Coloured Photography Project**

We have applied to the Turkish Air Force, Ministry of Defense, and have come to an agreement that our country will be colour-photographed, beginning from the most promising areas in view of minerals and petroleum. These coloured photographs should be used in conjunction with the photogeology and airborne survey projects. The films necessary for this purpose will be supplied by our Institute. After the photographs are taken by the Air Force, the films will be handed over to the Institute. The areas to be photographed have already been selected by the Departments of Geology and Economic Geology. The work will start in these areas at the beginning of April.

#### **The Project of 1/25 000-Scale Geological Maps**

The Embassies and representatives of foreign countries have shown a great interest in our project of preparing country-wide geological maps of 1/25 000 scale, which we wish to carry out on an international basis, beginning with the areas especially promising in minerals and petroleum. Details concerned with this project have almost been completed. In order to begin the work as soon as possible, we are considering the cooperation of other governments and institutions concerned.

#### **Regional Surveys**

A tentative regional survey was successfully carried to completion in Tunceli, during 1962. Young geologists and engineers who worked devotedly in this region, under difficult conditions, were heartily welcomed by the people of that region and were assisted by them to a great extent.

I wish to take this opportunity to thank all those who participated in this survey. I believe in the necessity of carrying out such surveys in the eastern provinces.

#### **Contracts**

We have already obtained permission from the Government to sign contracts with private enterprise to carry out exploration work for coal and iron ores, with a view to determining mineral potentials of Turkey including areas belonging to private enterprise.

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Our request for the arrangement of similar contracts for lead, zinc, copper, antimony, chrome, mercury and phosphate has been transmitted to the Cabinet by our Ministry. We hope to obtain a permission very soon. The beneficiation of these minerals will be speeded up with the help of this permission.

### **Construction Project**

Through the close interest shown by our Ministry, funds have been allotted for the construction of new technical bureaus and laboratories for the Institute. The projects for this work are being prepared and the order for the first construction group has already been placed.

The construction will commence in April. I most heartily congratulate the members of the Construction Committee for carrying out this work according to the time-table. The first part of the construction will have to be completed by the end of 1964.

### **The Work of the Statistical Section**

There has been a satisfactory development in the work of the Statistical Section established with the purpose of determining the present mineral potential of our country by preparing inventories, following up closely the world market of minerals, and setting forth the rules to govern the country's mineral policy. Our Minister, in one of the last meetings, emphasized the importance of such a department and wished that all institutions should have similar sections.

We wish that this section would be more active in compiling the information required by other sections and in setting forth the future working programmes.

In order to achieve this, we are in contact with a planning group in Holland, organized by some University Professors. If this contact produces a favourable result, then we might think of cooperating with them in the preparation of a plan for the minerals of our country, for the next 5-10 years.

### **The Activities of CENTO in the Field of Minerals**

The application of joint projects, prepared by member countries will probably be started in May, with the carrying out of stratigraphical and joint border projects. The Industrial Raw Materials Symposium was held in Pakistan and was a success. Another symposium on iron ore will be held in 1963.

### **Photogeology Course**

A photogeology course was organized successfully for the personnel who are going to make use of aerial photography, both during their field work and in the office.

### **Planning Bureaus**

A planning unit was established in every technical department with the purpose of carrying out the plans and projects that we wish to realize during 1963, providing a coordination among services and departments, and preparing

new projects. The coordination of planning work will be taken up by the General Directorate.

#### **The Project for the Amendment of the Institute's Act of Foundation**

The project which we prepared with the purpose of carrying out regional investigations where we felt it necessary, in order to determine the underground mineral resources of our country, unrestricted with formalities, was submitted to our Ministry. We hope that this project will be forwarded to the Prime Minister's office in the very near future.

#### **Museum**

One of the main functions of our Institute is to guide the people of this country in the field of mining development. Therefore, it is one of our duties to give necessary information to people visiting the Institute and send samples to those concerned.

Again, to serve the same purpose, we are planning to supply schools and the offices of village elders with various samples, to publish the list of samples found in the Museum of the Institute and also to supply those who are interested with lists showing the samples available for delivery.

At present, our Museum is not very well organized, but to some degree, we can carry out the work of supplying others with samples. May I ask for the help of everyone in order to gain development in this field.

#### **Publications**

We have taken necessary steps to publish detailed monographs for each mineral to serve as guides in the development of minerals and to give information to private miners about the type, geology, occurrence, reserves, uses, development, beneficiation, technology and statistics of minerals.

We also plan to publish booklets and pocket books written in simple language for the use of practical miners.

#### **Akçakoca Vacation Camp**

In accordance with the order plac. The construction of a camp in Akçakoca will provide an excellent place of relaxation for the personnel. It is now under construction, and will be opened during the summer of 1963.

For personnel who are working in the field for a considerable time, we are going to provide barracks which are better for one's health. These barracks will be used by our engineers, geologists, prospectors, surveyers and workmen. We have taken the necessary steps for the construction of such barracks. They will be sent to the comparatively permanent working places. We have also ordered trailers for field teams.

#### **Our Requests from Field Personnel**

I have tried to explain to you the subjects taken up and our views about them. Now, I will say a few words about our field activities.

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### **Results and Speedy Work**

In my speech last year, I indicated that the preparation of a scientific report dealing with mineral reserves and their evaluation should be completed at the maximum in two years.

During 1962, prospection was completed for iron in Avnik, Pınargözü; copper in Murgul, gold in Madendağ-Kartal (Çanakkale), Arapdağ (İzmir); lignite in Ovacık, Kelkit and Bayburt; and radioactive minerals in Milas, Demirtepe and Osmankuyu.

This is a satisfactory result. In addition, prospections for iron in Otlukilise and Gürün are nearly complete.

In order to be able to say that the Institute plays the part expected from it, it is necessary to bring to completion every year the exploration carried out in at least five different mineral deposits and prepare their reports, thus contributing to the economics of the country. I wish success to our Institute during 1963 and in order to achieve this, I ask everyone, especially the administrators, to use their own initiatives. Reports should be prepared according to the guide recently published.

### **Important Projects**

Phosphate prospection work is one of the most important that the Institute trust will carry out during 1963. We should all pay special attention to this project. I wish to take this opportunity to thank the geologists and engineers who took part in the phosphate prospection campaign all through the winter.

We shall be able to carry out successfully all of the 1963 projects through the devoted work by all concerned.

I beg everyone to start their field activities as soon as possible and wish all of you every success.

**Dr. Sadrettin Alpan**  
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