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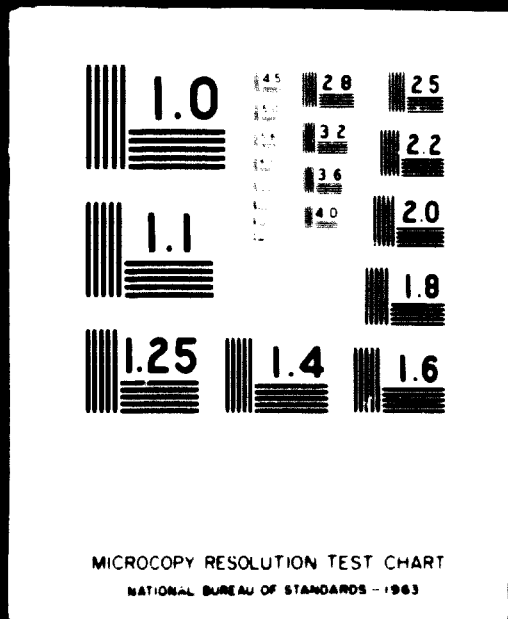
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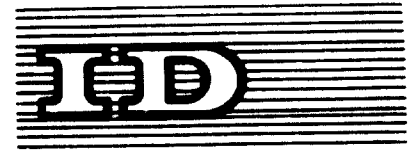
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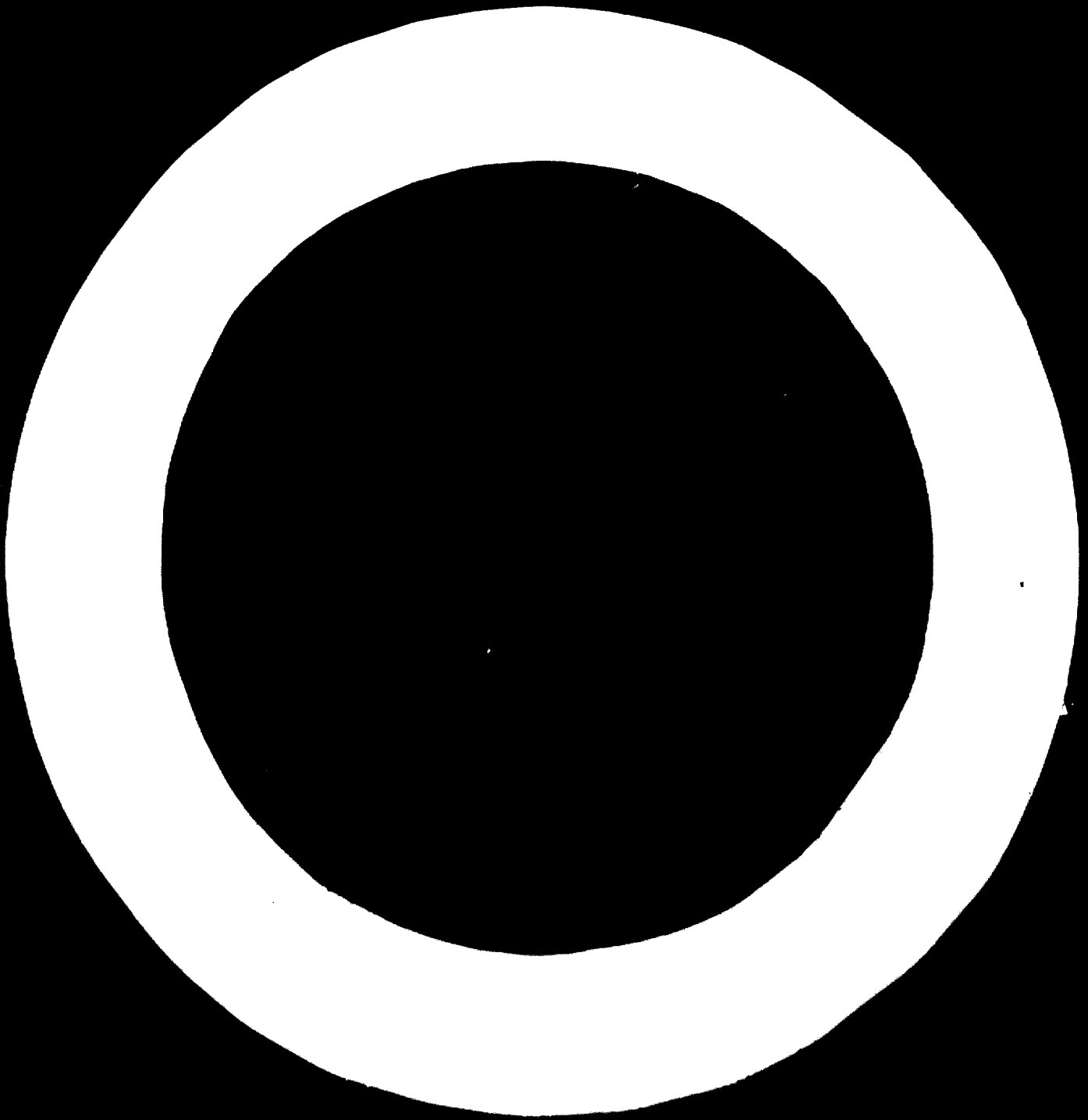
ACTIVITIES OF THE UNITED NATIONS SYSTEM OF ORGANIZATIONS
IN THE FIELD OF INDUSTRIAL DEVELOPMENT

Second Consolidated Report of the Industrial Development
Activities of the United Nations System of Organizations

Addendum to Report by the United Nations Economic Commission
for Asia and the Far East

Introduction

1. In the Economic Commission for Asia and the Far East, industrial development is the responsibility of the Division of Industry and Natural Resources. As its name implies, this Division is responsible not only for industrial development but also for development of natural resources (mineral resources and energy and electric power). In addition, it is responsible for developments in the field of housing, building and planning.



2. The Division is organized into the following eight sections (with the number of professional staff, experts/consultants/regional advisers in position as on 15 March 1967 indicated against each):

| Section | Professional Staff | | | | | | Experts/Consultants/ Regional Advisers |
|---|--------------------|----|----|------|----|----|---|
| | D1 | P5 | P4 | P3 | P2 | P1 | |
| Office of the Director | 1 | 1 | 1 | | | | 1 |
| Asian Industrial Development Council | | 3* | | 2+1* | | | 1-D1, 2-P5* |
| Industrial Studies | | | 1 | 1 | 1* | | 1-P5, 2-P5* |
| Metals and Engineering | | 1 | 1 | | 1* | | |
| All Industries | | | 1 | 1 | | | |
| Housing, Building and Planning | | | 1 | 1+1* | | | 1-P4 |
| Energy and Electric Power | | 1 | | 1 | | | |
| Mineral Resources Development | | 1 | 1 | 1 | | 1 | 1-P5, 1-P4 and 1-P5* |

* Candidates recommended.

3. Six additional professional posts (3-P5s and 3-P3s) were sanctioned from 1 April 1967 and the vacancies in the manning table, indicated by asterisks in the above statement, are on account of this increase and are expected to be filled up in the near future. Experts/Consultants/regional advisers are also under recruitment to fill the vacancies.

4. The above statement indicates only the professional staff in the Division of Industry and Natural Resources. In addition, the Division has supporting General Service staff and also participates, along with other Divisions, in the common ECAFE facilities services, such as Administration, Finance, Recruitment, etc.

PROGRAMME OF WORK

5. The programme of work undertaken by the Division of Industry and Natural Resources is based on the recommendations of the Economic Commission for Asia and the Far East and its subsidiary bodies. The following is a list of such bodies (with the year of establishment shown in brackets) concerned directly with developments in the field of industry and natural resources:

- | | | |
|---|---|---|
| (a) The Committee on Industry and Natural Resources (1949) (originally established as the Committee on Industry and Trade) |) | Reporting to the Commission |
| (b) The Asian Conference on Industrialization (1965) |) | |
| (c) The Asian Industrial Development Council (1966) |) | |
| (d) Committee for Coordination of Joint Prospecting for Mineral Resources in Asia Offshore Area |) | |
| (e) Sub-Committee on Metals and Engineering (1949) (originally established as Sub-Committee on Iron and Steel) |) | Reporting to the Committee on Industry and Natural Resources |
| (f) Sub-Committee on Electric Power (1951) |) | |
| (g) Sub-Committee on Mineral Resources Development (1954) |) | |
| (h) Working Party of Senior Geologists (1954) |) | |
| (i) Working Party on Small-Scale Industries (1951) |) | |
| (j) Sub-Committee on Housing, Building and Planning (1966) (originally established in 1952 as an Inter-Secretariat Working Party on Housing and Building Materials and elevated in 1955 to a full-fledged Working Party of Experts from the countries of the region) |) | |
| (k) Symposium on Petroleum Resources Development (1958) |) | |

6. Items of the work programme are also undertaken on the basis of recommendations impinging on industrialization and natural resources development of other bodies of the Commission not directly or solely concerned with industrialization. For example,

the resolutions of the Asian Conference of Economic Planners and the resolutions of the Asian Conference on Industrialization have contributed to the basis for much of the work in the field of harmonization of industrial development plans; joint programmes are under way on transportation aspects of urbanization (in co-operation with the Transport Division), development of ground water resources (in conjunction with the Water Resources Division), etc.

7. Items in the programme of work of ECAFE in the field of industrialization and natural resources development have, by and large, been indicated under the appropriate classifications and headings in the Consolidated Report, and explanations more or less adequate have been provided. Accordingly, in the following paragraphs the attempt is merely to present information on recent advances made in implementation, and otherwise highlight facts which may not have been adequately stressed in the Consolidated Report.

8. Full descriptions of the ECAFE projects would also be found in document E/CN.11/770 which is the report of the nineteenth session of the Committee on Industry and Natural Resources (to be presented to the Commission at its twenty-third session in Tokyo, 3-17 April 1967) and of which copies have been distributed to the members of the Board. Accordingly, for facility of reference and in order to avoid repetition, in the succeeding paragraphs, the page and project numbers in the ECAFE document as well as in the second Consolidated Report have been shown against each item.

| <u>ID/B/3</u> | | | <u>E/CN.11/770</u> | |
|---------------------------|------------------------------|---|---------------------------|------------------------------|
| <u>Page</u> <u>No.</u> | <u>Project</u> <u>No.</u> | | <u>Page</u> <u>No.</u> | <u>Project</u> <u>No.</u> |
| 3 | I.A.6 | <u>Surveys of Mineral Resources</u> | 71 | I.D.4: 31-81 |
| | | The surveys in Burma and Korea have been concluded. Requests from other countries for similar assistance are under consideration. | | |
| 4 | I.A.7 | <u>Surveys of Energy Resources</u> | 66 | I.C.3: 32-44 |

As a first step, a manual on the methodology of energy surveys has been prepared and is expected to be issued before the end of 1967. Assistance will be provided to countries, on request, in undertaking detailed and systematic energy surveys.

| <u>ID/B/3</u> | | | <u>E/CN.11/770</u> | |
|-----------------|--------------------|--|--------------------|--------------------|
| <u>Page No.</u> | <u>Project No.</u> | | <u>Page No.</u> | <u>Project No.</u> |
| 5 | I.A.9 | <u>Committee for Coordination of Joint Prospecting for Mineral Resources in Asian Offshore Areas</u> | 74 | I.D.4: 32-82 |

The second meeting was held in November 1966 in Tokyo. The third and fourth meetings are scheduled for June and November 1967 in Seoul and Taipei respectively. Meanwhile, other countries have expressed an interest in joining this Committee or having similar committees organized for them and further offers of assistance have been made by developed countries, the latest being the United States offer to undertake the aeromagnetic survey of the Philippines/China (Taiwan) coasts which has been recommended by the Committee.

| | | | | |
|---|--------|--|----|--------------|
| 6 | I.A.12 | <u>Working Party of Senior Geologists and the Sub-Committee on Mineral Resources Development</u> | 75 | I.D.4: 32-83 |
|---|--------|--|----|--------------|

One of the important tasks undertaken by the Working Party of Senior Geologists is the preparation of regional geological maps. The regional geological map, the regional oil and natural gas map and the regional mineralogical map have been completed. A regional tectonic map and a regional metallogenic map are under preparation and are expected to be issued in 1967.

One of the important recommendations of the Sub-Committee in its last meeting was that attention should be given to development of mineral raw materials for fertilizers. A seminar on this subject is proposed to be convened in Bangkok in December 1967.

| ID/B/3 | | | E/CN.11/770 | |
|----------|-------------|---|-------------|--------------|
| Page No. | Project No. | | Page No. | Project No. |
| 7 | I.A.13 | <u>Asian Industrial Development Council</u> | 55 | I.A.2: 31-11 |

The second session of the Council, held in Bangkok in February-March 1967, identified further areas for investigating the possibility of joint venture industries: appointed an Advisory Group; and issued directives regarding "Action Groups" to be formed for an integrated iron and steel industry, a regional pulp centre for South-East Asia, forest-based industries generally for the region and a large number of other industries such as fertilizers, petro-chemicals, etc., in which many countries expressed interest. The report of the second session of the Council is contained in document E/CN.11/769.

| | | | | |
|---|--------|--|----|--------------|
| 9 | I.A.14 | <u>Sub-Committee on Electric Power</u> | 63 | I.C.3: 31-41 |
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In recognition of the fact that countries of the region are more and more seized with the importance of total development of energy, the name of the Sub-Committee is proposed to be changed to "Sub-Committee on Energy Resources and Electric Power".

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|----|--------|---|----|--------------|
| 10 | I.A.15 | <u>Seminar on Man-made Fibre Industry</u> | 55 | I.A.2: 31-11 |
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The specific recommendations of the Seminar in respect of the establishment of a pulp industry based on bamboo resources of Burma and of plants for the manufacture of Caprolactum/DMT are being followed up by the AIDC.

| | | | | |
|----|--------|--|----|--------------|
| 10 | I.A.16 | <u>Consultative Group for Promoting Coordinated Industrial Research in Asia and the Far East</u> | 59 | I.A.2: 31-13 |
|----|--------|--|----|--------------|

The AIDC Second Session considered the report of the Consultative Group (document E/CN.11/I&NR/AIDC.2/L.1) and endorsed its recommendation that an ECAFE Advisory Council for Industrial Research may be established.

| <u>ID/B/3</u> | | | <u>E/CN.11/770</u> | |
|---------------|-------------|---|--------------------|--------------|
| Page No. | Project No. | | Page No. | Project No. |
| 11 | I.A.17 | <u>Working Group on the Development of Standards Institutions in the ECAFE Region</u> | 60 | I.C.2: 31-14 |

The AIDC Second Session considered the report of the Working Group (document E/CN.11/I&NR/AIDC.2/L.1 and favoured the setting up of an Asian Standards Committee, care being taken to avoid duplication with other existing bodies.

| | | | | |
|----|-------|------------------------------|----|--------------|
| 20 | I.D.1 | <u>Periodic Publications</u> | 57 | I.A.2: 31-11 |
|----|-------|------------------------------|----|--------------|

The Industrial Development News is, under the directive of AIDC, to be issued at more frequent intervals.

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|----|--------|--|----|--------------|
| 22 | II.A.3 | <u>Asian Conference on Industrialization</u> | 55 | I.A.2: 31-11 |
|----|--------|--|----|--------------|

The next meeting of the Asian Conference on Industrialization is to be held in 1968 in collaboration with UNIDO.

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|----|---------|---|----|--------------|
| 70 | III.A.4 | <u>Asian Industrial Development Council</u> | 55 | I.A.2: 31-11 |
|----|---------|---|----|--------------|

Please see entry under Project No. I.A.13 above.

| | | | | |
|-----|-------|---|----|--------------|
| 144 | V.A.5 | <u>Training in the Petroleum Industry</u> | 68 | I.C.3: 31-51 |
|-----|-------|---|----|--------------|

Hopefully to culminate in the establishment of a Regional Petroleum Institute in Iran.

| | | | | |
|-----|-------|---|----|--------------|
| 145 | V.A.6 | <u>Training and Research Centres in the Field of Electric Power</u> | 65 | I.C.3: 31-43 |
|-----|-------|---|----|--------------|

A Seminar followed by a Study Tour is proposed in USSR in September 1967. Studies have been suggested on the possibilities of strengthening one or two existing national training centres in the field of electric power so as to meet the needs of neighbouring countries as well and also to promote the research and development in the use of local materials.

| <u>ID/B/3</u> | | | <u>E/CN.11/770</u> | |
|-----------------|--------------------|---|--------------------|--------------------|
| <u>Page No.</u> | <u>Project No.</u> | | <u>Page No.</u> | <u>Project No.</u> |
| 208 | VI.A.3 | <u>Possibilities of integrating steel production in groups of small producer and non-producer countries of the ECAFE region</u> | 77 | I.C.2: 31-31 |

An Action Group for studying specific possibilities in Malaysia, Singapore, Indonesia, Thailand, Philippines and the Republic of China (Taiwan) is to be constituted under the aegis of AIDC in July 1967, to report in 3 months.

| | | | | |
|-----|--------|--|----|--------------|
| 210 | VI.A.4 | <u>Pilot Plants for Metallurgical Industries</u> | 79 | I.C.2: 32-34 |
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AIDC has directed that an application should be made to the United Nations Development Programme for expanding an existing plant in the Republic of the Philippines to serve regional needs. Co-operation from UNIDO is being sought.

| | | | | |
|-----|--------|--|----|--------------|
| 222 | VI.C.4 | <u>Centres for Imparting skills for the development of metal-transforming Industries</u> | 78 | I.C.2: 31-32 |
|-----|--------|--|----|--------------|

An offer made by the Republic of China (Taiwan) to provide ten fellowships for training in the Metal Industries Development Centre in Kaohsiung was accepted by AIDC and the training is expected to start in July 1967. ILO is also expected to provide fellowships.

| | | | | |
|-----|--------|--|----|--------------|
| 232 | VI.D.1 | <u>Requirements of Agricultural Inputs</u> | 73 | I.C.5: 32-63 |
|-----|--------|--|----|--------------|

A Seminar on Sources of Mineral Raw Materials for Fertilizers ... be held in Bangkok in December 1967. In regard to farm machinery, a survey is contemplated for which UNIDO assistance will be sought.

| ID/B/3 | | E/CN.11/770 | |
|----------|---|-------------|--------------|
| Page No. | Project No. | Page No. | Project No. |
| 240 | VI.H.4 | 56 | I.A.2: 31-11 |
| | <u>Development of the Petrochemical Industry in the ECAFE Region</u> | | |
| | <p>One specific field of petrochemicals, namely man-made fibres, was discussed in a seminar held in Tokyo in November 1966 and specific recommendations were made. Those regarding the establishment of joint ventures are being pursued by AIDC.</p> | | |
| 243 | VI.H.11 | 57 | I.A.2: 31-11 |
| | <u>Seminar on Man-made Fibre Industry</u> | | |
| | <p>Please see the immediately preceding entry.</p> | | |
| 256 | VI.K.9 | 55 | I.A.2: 31-11 |
| | <u>Appointment of a Regional Adviser on Oils and Fats Industries</u> | | |
| | <p>The Adviser was recruited in September 1966 and has been advising regional countries.</p> | | |
| 315 | VII.D.4 | 60 | I.C.2: 31-14 |
| | <u>Standardization in Asia</u> | | |
| | <p>Please see entry under Project I.A.17 above.</p> | | |
| 316 | VII.D.6 | 60 | I.C.2: 31-14 |
| | <u>Technical Assistance on Standardization in Asia</u> | | |
| | <p>A regional adviser is expected to be recruited from July 1967 for a period of one year.</p> | | |
| 321 | VIII.A.4 | - | - |
| | <u>Regional Industries Promotion and Planning Centre</u> | | |
| | <p>The functions of the Regional Industries Promotion and Planning Centre have been taken over by AIDC.</p> | | |

HIGHLIGHTS OF RECENT DEVELOPMENTS

9. Apart from the details concerning individual projects mentioned above, there are certain developments of a general character which it would be useful if the Board is informed of:

(a) Co-operation with other United Nations organizations and agencies

10. Close liaison is maintained with other United Nations organizations and agencies in the implementation of projects. A few examples may be quoted to illustrate the type of collaboration and co-operation arranged:

11. In collaboration with UNCTAD, a survey is being conducted into the export possibilities of manufactures and semi-manufactures from developing countries to developed countries;

12. Collaboration is taking place with the Economic Commission for Europe in the preparation of studies on the world market for iron ore and world trade in steel and steel demand in developing countries;

13. Collaboration with UNIDO is taking place in the preparation of documents for submission to the International Symposium on Industrialization on specific items, such as standardization.

(b) International Symposium on Industrialization

14. Close liaison is being maintained with the UNIDO secretariat in the preparations for the International Symposium; documentation prepared for Regional Symposium (Asian Conference on Industrialization) has been printed and arrangements are in hand to submit a report to the International Symposium on developments that have taken place after the Asian Conference on Industrialization.

(c) Asian Industrial Development Council

15. The most important of the recent activities of the Economic Commission for Asia and the Far East in the field of industry and natural resources development has been the establishment of AIDC and the Committee for Coordination of Joint Prospecting for Mineral Resources in Asian Offshore Areas.

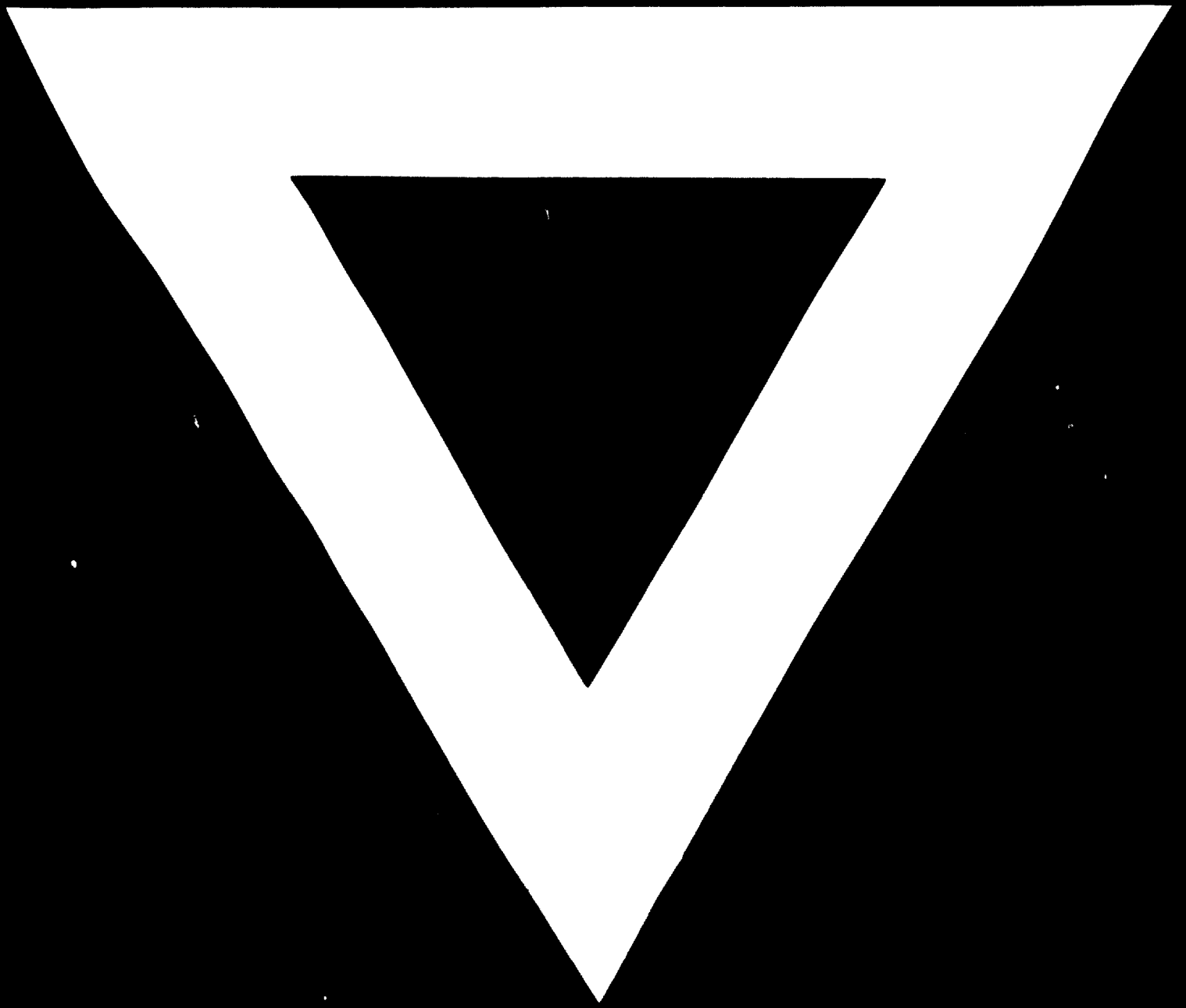
16. As noted briefly, under Project No. I.A.9 above, the Committee for Coordination of Joint Prospecting for Mineral Resources in Asian Offshore Areas, as at present constituted, has four members, namely, Korea, Japan, the Republic of

China (Taiwan) and the Philippines. The constitution of similar committees for other areas and/or enlargement of the membership of the present Committees to include other countries is under consideration.

17. The importance of this development lies not only in the fact that this constitutes a welcome example of regional co-operation in the field of natural resources development, but also that activities that otherwise would have required the deployment of much greater resources on the part of individual countries and might indeed have been, in some cases, outside their capacity, are being undertaken at less cost and more efficiently. Not only are economies being realized due to co-ordination but also the existence of such a co-operative endeavour has attracted very large contributions from developed countries which individual countries might not have obtained. Again, in the sense that this is an "operational" activity, it is a step in advance of previous activity which had stopped short at inventory making. These operations could well result in development of projects for the extraction of mineral wealth in the participating countries. The multiplier effect of this would be considerable as industries based on such minerals would get established.

18. Similarly, the establishment of the Asian Industrial Development Council (AIDC) is also of great significance, providing, as it does, an instrument for promoting regional co-operation among the developing countries of Asia and the Far East for the establishment of industries and also, at the same time, providing a regional instrument for implementation of UNIDO programmes. Already many of the projects and industrial sectors identified in the two sessions of the Council that have taken place to date have produced ideas which would provide the basis for further action under, for example, the Special Industries Services of UNIDO. Thus an instrument appears to have been forged which, at least in Asia and the Far East, could work very well as the field arm of UNIDO for the development of specific projects resulting in increased industrial output.





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