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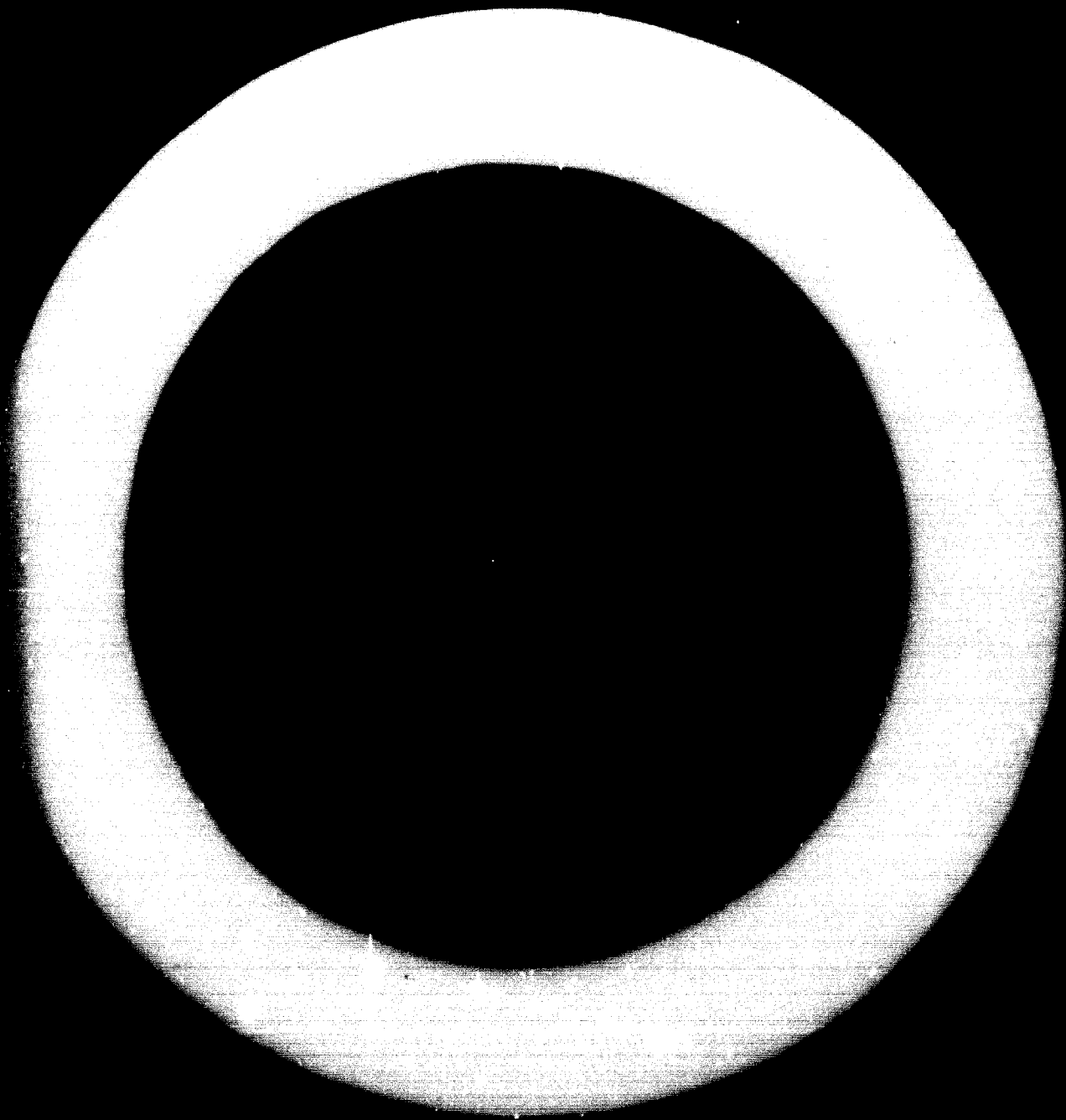
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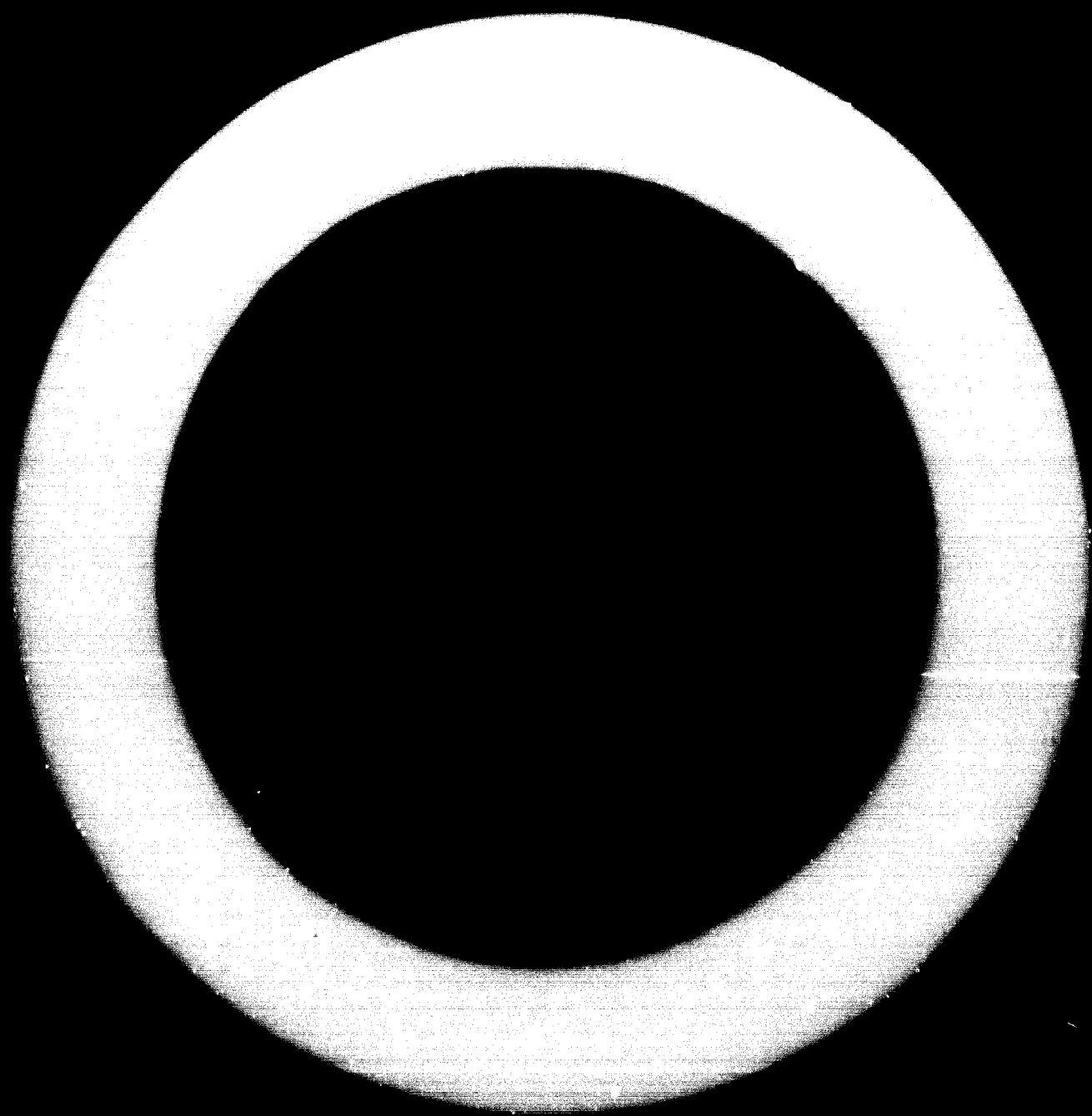
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UNITED NATIONS





UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION, VIENNA

**INDUSTRIAL LOCATION  
AND  
REGIONAL DEVELOPMENT**

*An Annotated Bibliography*



**UNITED NATIONS**

**New York, 1970**

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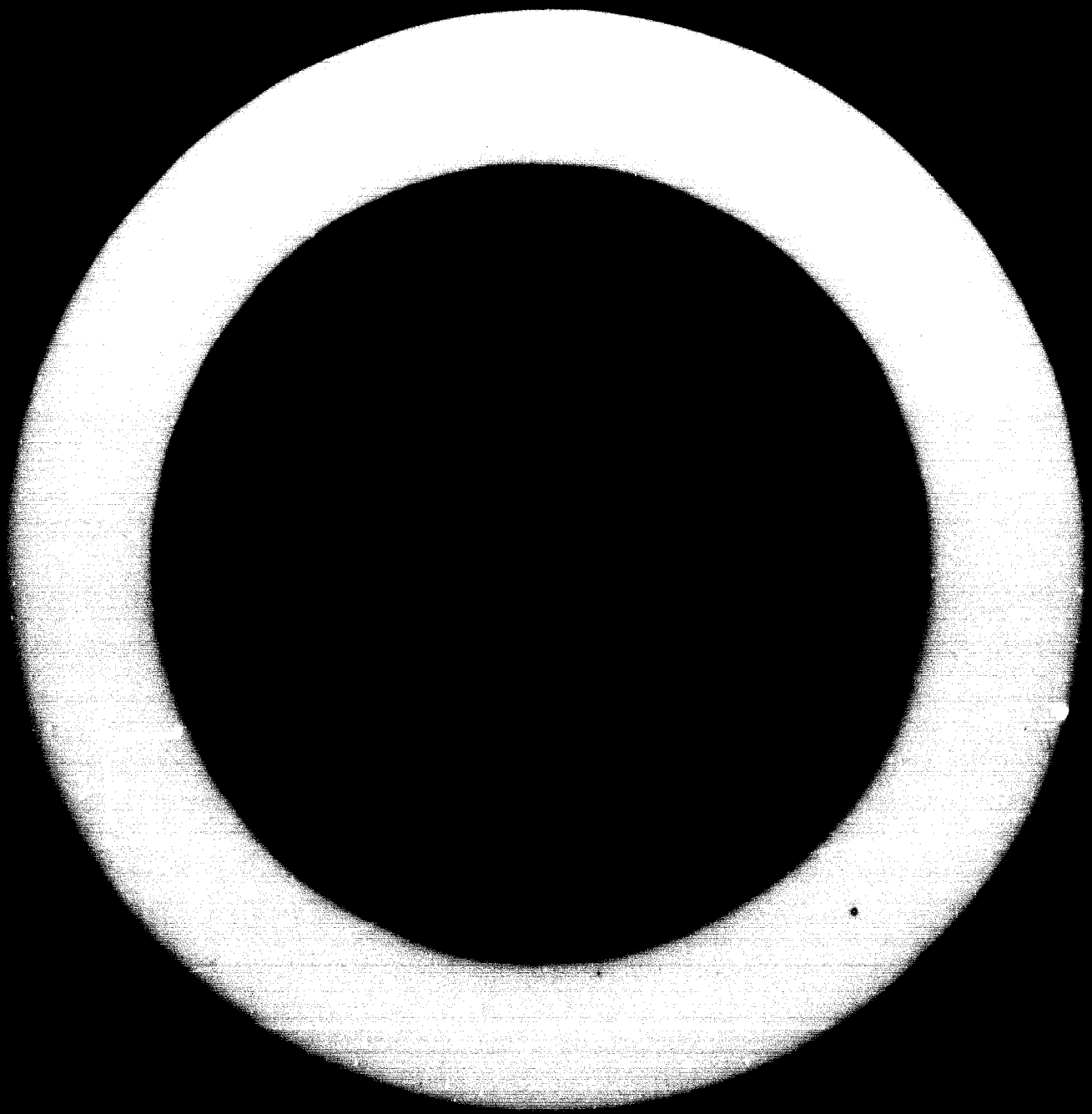
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### Preface

This bibliography is intended for the use of planners and policy makers in developing countries who are dealing with problems of industrial location and regional development. Consequently, the references contained are focused on the industrial aspects of industrial location and regional development. Particular attention has been paid to problems encountered in developing countries.

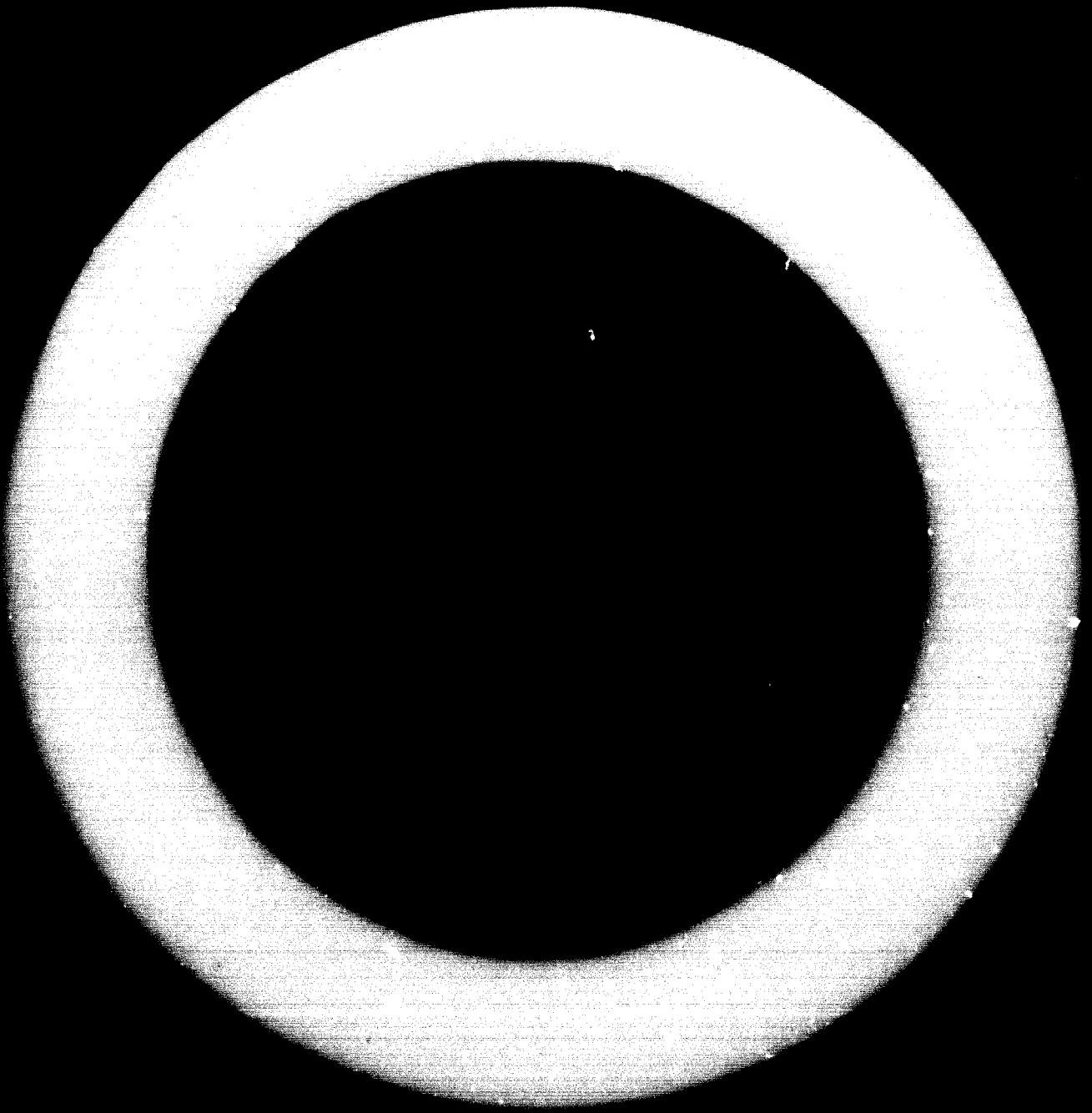
There have been several stages in the preparation of this bibliography. Initially, a bibliography was prepared by the Centre for Industrial Development, New York, (now UNIDO), intended for use as a background paper for the Ad Hoc Expert Group Meeting on Location and Regional Development (Geneva, 1967) and the Interregional Seminar on Industrial Location and Regional Development (Minsk, 1968).<sup>1/</sup>

Both meetings stressed the potential usefulness of this bibliography as supporting reference material for the use of UNIDO technical assistance experts and regional planners. It was recommended that a more comprehensive selected bibliography be prepared for publication in order to make it available to a larger number of users in developing countries.

Based on these recommendations, Mr. S. Schiavo-Campo, University of Massachusetts, USA, serving as a consultant to the UNIDO secretariat, prepared this version of the bibliography for publication.

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<sup>1/</sup> The Report of the Seminar has been published as UNIDO document ID/19 (United Nations publication, Sales No.: 69.II.B.22). The Proceedings will be published as UNIDO document ID/50.



### Introduction

During the last fifteen years, there has been a substantial growth of literature on regional economics and related fields, with a corresponding increase in basic reference and bibliographical material. However, since problems of regional development and industrial location tend to arise more frequently in connexion with developing than with developed countries, this bibliography attempts to offer a list of multilingual publications particularly suited to the needs of developing countries.

The economy of most developing countries contains elements of both market and centrally planned systems. Research results, therefore, based on only one of these systems cannot be fully applicable to development planning. However, in view of the rapid structural change which accompanies economic development, planning needs, capabilities and procedures differ in the various developing nations. With the present bibliography, planners and policy-makers in developing areas have access to international studies reflecting as broad a range of theoretical, methodological and policy viewpoints as possible.

This bibliography includes studies published chiefly in four languages: English, French, German and Russian. A few items in Italian, Spanish and other languages are included. Many works published in one of the above languages originate from countries with a language other than that in which the publication is printed. The entries thus represent literature from about ten countries. Except where otherwise indicated, studies are entered in the language in which the work was published.

The bibliography is divided into seven categories, in each of which the items are listed in alphabetical order under the following headings:

1. Industrial location
2. Regional development and planning
3. Urban planning
4. Policies of industrial location and regional development
5. Region and country studies and economic geography
6. Industry studies
7. Mathematical solutions, methodology and statistics.

A large number of publications contain material relevant to more than one category. They are therefore entered under all categories to which they appear relevant. The bibliographical data supplied are limited to information strictly needed to identify a publication. Standard bibliographical usage, such as inclusion of volume and issue number, pagination and place of publication, is thus not always adhered to. An effort is made, wherever possible, to include a brief summary of the contents of a publication. Except for some classic works published earlier, items listed were published in the period 1950 to 1968. The total number of entries is about 1,500, the largest categories being: Industrial Location, Regional Development, Region and Country Studies, and Policies, in that order.

The main sources used for this bibliography include publication lists in books, periodicals and pamphlets; Stevens' and Brackett's Industrial Location; Economic Abstracts, a reference source of current international publications;<sup>2/</sup> The Journal of Economic Abstracts, issued since January 1969 as The Journal of Economic Literature; the following four United States publications: Papers and Proceedings of the Regional Science Association, The Journal of Regional Science, Economic Geography and the Southern Economic Journal; two United States periodicals: Problems of Economics and Eastern European Economics, both containing translations in English of selected articles published in Russian and in languages of other socialist countries of Eastern Europe; the Russian periodicals Voprosy Ekonomiki and Planovoe Khozyaistvo, both excellent sources of important current research and representing the principal reference sources for work published in the socialist countries;

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<sup>2/</sup> Thanks are due to the Economische Voorlichtingsdienst of the Netherlands Ministry of Economic Affairs for kind permission to use the information therein.

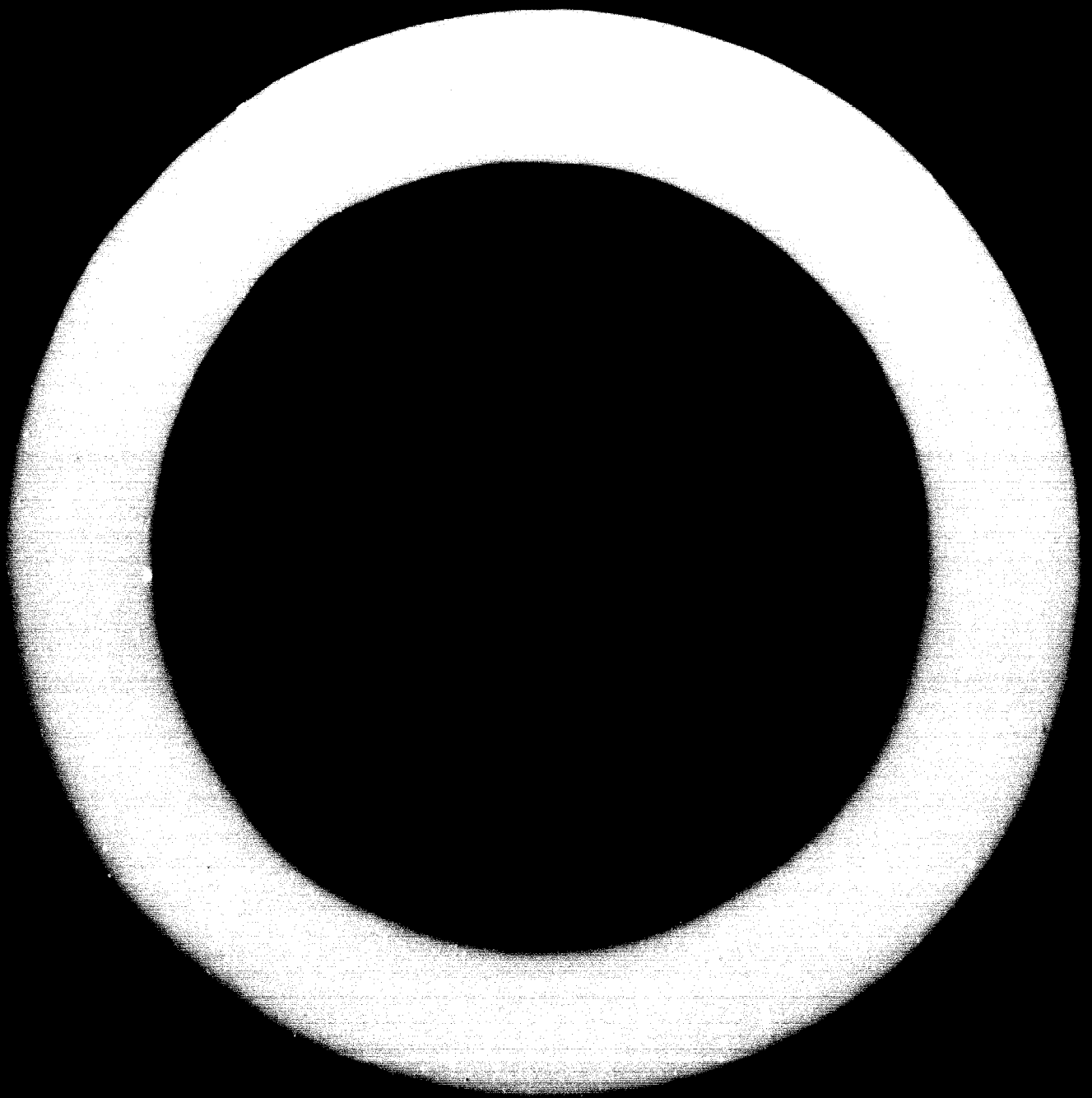
the Bibliografiya po Voprosam Razmeshchenie i Rayonirovaniya Promyshlennosti SSSR, 1958 - 1964 (Nauka, Moscow, 1966);<sup>2/</sup> and the extensive documentation prepared for the UNIDO Interregional Seminar on Industrial Location and Regional Development, held in Minsk in August 1968.

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<sup>3/</sup> This is a very extensive bibliographical publication, listing almost 4,000 items, which are placed under the following principal headings:

- Theoretical questions concerning the geographical distribution of socialist industry, including individual studies on location factors;
- Geographical distribution of industry in the USSR;
- Geographical distribution of specific industrial sectors in the USSR (principally mining and fuel, metallurgy, chemicals, building materials, wood, light industries, foodstuffs, domestic crafts);
- Economic issues of regionalization and industrial development in the various districts of the USSR (including planning issues);
- Interregional economic relations;
- International socialist division of labour.

Readers interested in a depth study of socialist regional economic concepts are referred to this work.



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Locational implications of commuting to work.

AIROV, J. and E. W. SCHOOLER (1959) "Industrial Complex Analysis, Agglomeration Economics and Regional Development", Journal of Regional Science Spring issue.

AKADEMIE FÜR RAUMFORSCHUNG UND LANDESPLANUNG (1961) Industrialisierung ländlicher Räume, Hannover, Jänecke.

Essays on industrial districts including papers by Egner, "Regional Industrial Development"; Esenwein-Rothe, "An Analysis of Industrial Climate and Location Dynamics"; Boustedt, "Trends in the Regional Development of Bavarian Industry, 1953-1958"; and Ritter, "Economic Policy and Spatial Significance of Industrial Parks in the US".

ALAEV, E. (1968) Evaluation of an Industrial Project from the Point of View of Rational Location of Productive Forces, discussion paper prepared for the Industrial Location and Regional Development Seminar held in Minsk in August 1968 (UNIDO document ID/WG.9/1) (mimeo.).

ALEXANDER, J. W. (1952) "Industrial Expansion in the United States, 1939-1947", Economic Geography.

ALEXANDERSSON, G. (1956) The Industrial Structure of American Cities, a geographic study of urban economy in the United States, London, Allen and Unwin.

Urban population distribution. Industrial distribution. Examination of the location of manufacturing industries (separately considered) and of service industries.

ALONSO, W. (1964) Location and Land Use, Cambridge, Mass., Harvard University Press.

ALONSO, W. (1968) The Location of Industry in Developing Countries, discussion paper prepared for the Inter-regional Seminar on Industries Location and Regional Development held in Minsk in August 1968 (UNIDO document ID/WG.9/2) (mimeo.).

Location theory in the context of economic development. Economic development concluded to be a process of national economic integration. Need for reconciliation between the technical and institutional competences.

American Economic Review (1962) "Studies in Business Behaviour" May issue.

See essay by E. Mueller and J. N. Morgan on location decisions of manufacturers under various conditions.

American Metal Market (1961) "Service Centers - 1961", supplement to May issue.

The role of auxiliary service centres in the steel, aluminium and non-ferrous metals industries.

ANDO, T. (1959) "Inter-relations between Large and Small Industrial Enterprises in Japan", Industrialization and Productivity Bulletin No.2 (United Nations publication, Sales No.: 59.II.B.1).

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Analysis of the economies-of-scale argument for economic integration. The practical importance of scale economies in the context of the European Common Market.

BALASSA, B. (1961) "Economies of Scale in the European Common Market", Economia Internazionale May.

Intra-plant economies of scale in the context of an integrated Europe.

BALDWIN, G. B. (1959) Industrial Growth in South India, case studies in economic development, Glencoe, Ill., Free Press.

Thirty-seven case studies on the process of growth of industry in under-industrialized areas with relatively favourable conditions for industrial growth.

BATOR, F. M. (1957) Elements of the Pure Economics of Social Overhead Capital, Cambridge, Mass., Massachusetts Institute of Technology (doctoral dissertation) (mimeo.).

BEAUCOURT, G. (1964) "Les transports, facteur de régionalisation économique", Cahiers de l'Institut de Science Economique Appliquée June.

The fundamental importance of transport in "Western" location and regional development theories. The role of transport in Soviet theories.

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BECKERMANN, T. (1961) "Existenzbedingungen und Standort der Handwerksbetriebe", Rheinisch-westfälisches Institut für Wirtschaftsforschung August.

Location factors in the handicraft sector of the Federal Republic of Germany. Problems of location planning.

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Model of an integrated firm with branch plants, attempting short-run profit maximization. Extension of the model to competitive industry.

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Pre-war and post-war developments. Examination of changes in locational advantages by comparing the rate of expansion of the industry in different areas.

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Factors determining the direction and rate of labour and capital migration. Role of labour and capital mobility in equalizing regional per capita incomes under optimum conditions.

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Impact of educational opportunities on attracting technically-oriented industries.

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Theory of equilibrium in location and site lay-out.

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The problem of spatial dispersion of economic activity. Determination of an optimum spatial dispersion. Construction of a linear programming model as an alternative system of analysis of the dispersion problem. Earlier contributions toward a theory on spatial dispersion.

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Difficulties encountered in setting up a highly mechanized industrial combine. Its impact on the development of the local environment.

BREDO, W. (1960) Industrial Estates: Tool for Industrialization, Glencoe, Ill., Free Press.

The development of small and medium-scale industries. Application of the concept of industrial estates to developing countries. Dynamics in the development of industrial estates. Requirements and characteristics. Case studies.

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Attempt to explain the origin of scale economies and to test various empirical measurements.

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Assessment of the pioneer work of von Thünen in the theory of location.

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Attempt to evolve a general model of human behaviour in space by examining the interdependencies between geography, economics, politics and sociology.

BURNSTALL, R. M.; R. A. LEAVER and J. E. SUSSAMS (1962) "Evaluation of Transport Costs for Alternative Factory Sites; A Case Study", Operational Research Quarterly December.

Mathematical solutions of the transport problems involved in choosing the number and site of plants for large-scale production of a new product.

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Cahiers de l'Institut de Science Economique Appliquée (1966) "Instruments d'étude de la croissance régionale" February issue.

Regional economic accounting. Regional polarization in Algeria. Production cost differentials of different Canadian provinces.

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Difficulties of Greek regional development policy in view of rigidities of the industrial location pattern.

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Effect of differences in working conditions on the formation of a common market. Spaak Report. ILO Report. Opinions of Conseil Economique. Consideration of the possibilities of harmonization. French proposals.

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Contribution of industrial credit institutions and banks to the development of Southern Italy. Investment credit to industry within the framework of general economic development policy. New regional institutions granting medium-term credit to industry.

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The main problems related to plant location.

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Micro-economic aspects of location. Case-studies of plants.

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Impact of technological developments on the size-structure, ownership patterns and location of British industry. Energy, formation of labour skills and search for raw materials.

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The economy of Antwerp: see especially papers on concentration and deconcentration of industry, and on factors of localization.

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Geographic distribution of the chemical industry in the Soviet Union. Oil and gas resources. Transport costs. Regional specialization of production. East Siberia as a possible location for the chemical industry.

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Calculations of firms in an imperfectly competitive capital market.

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Change in the location of manufacturing in the USA since 1929. Impact of this change on the political, social and economic life of the USA. Detailed examination of each region. Influence of the abundant supply of unskilled labour in the south and of natural resources in the west. Industries experiencing the largest comparative gains and losses.

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Analysis of von Thünen's location theory. Effect of the development of modern transportation on this theory.

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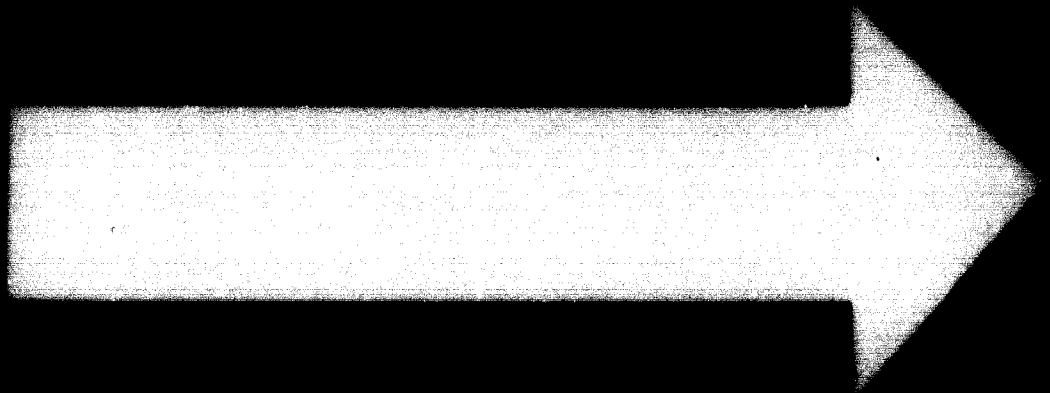
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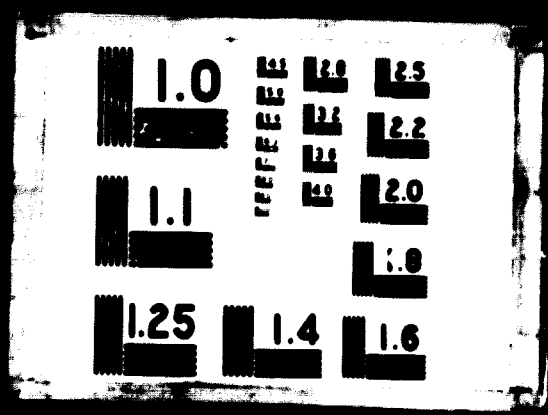


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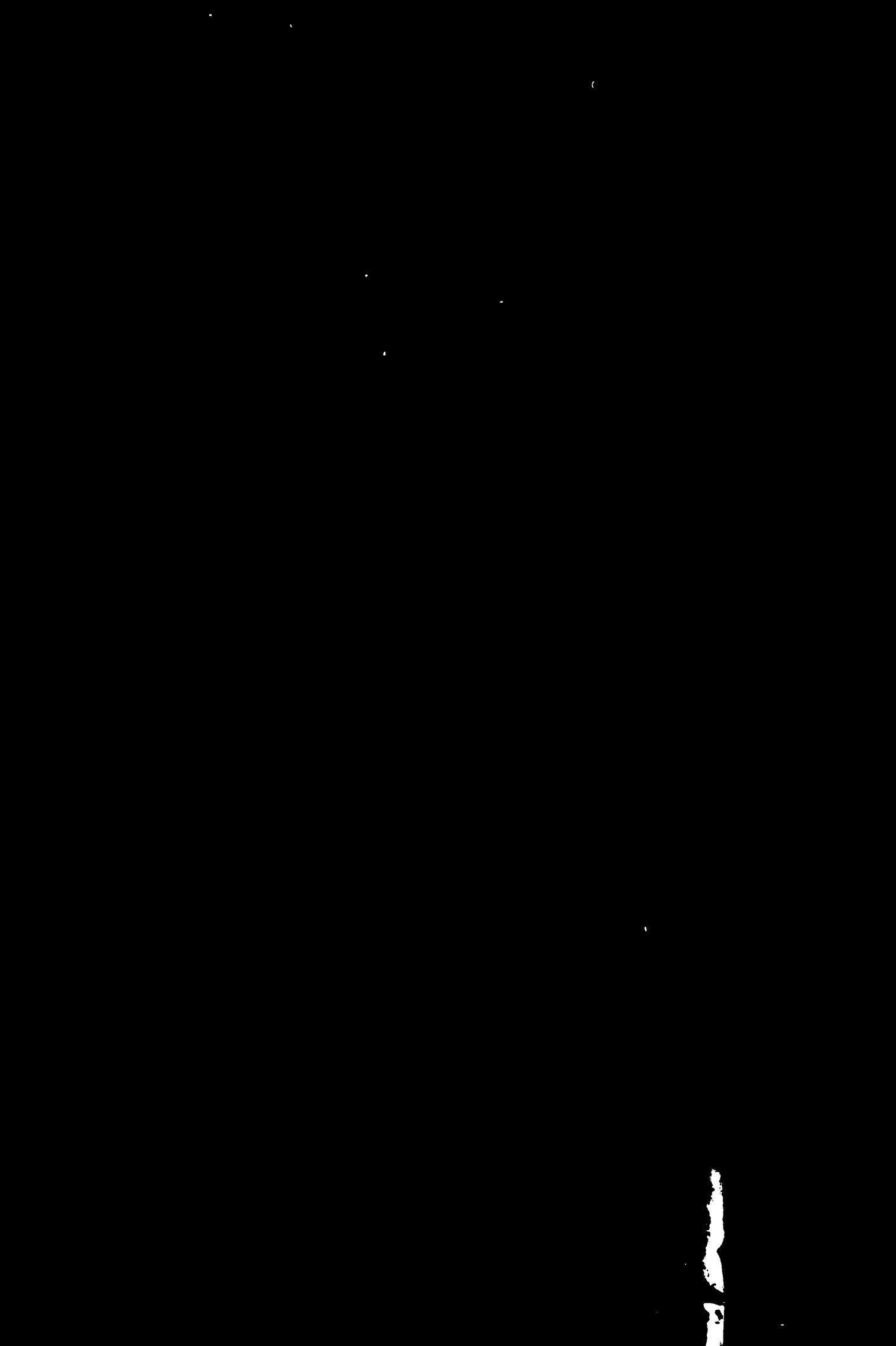
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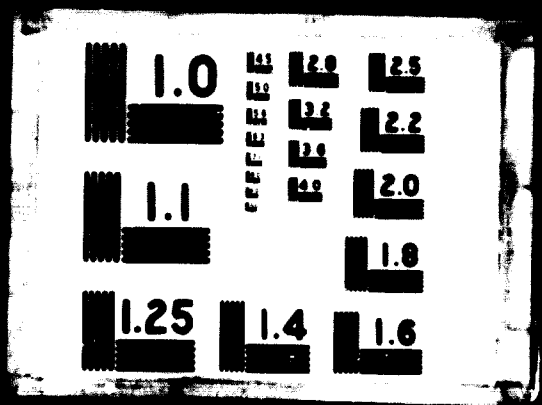
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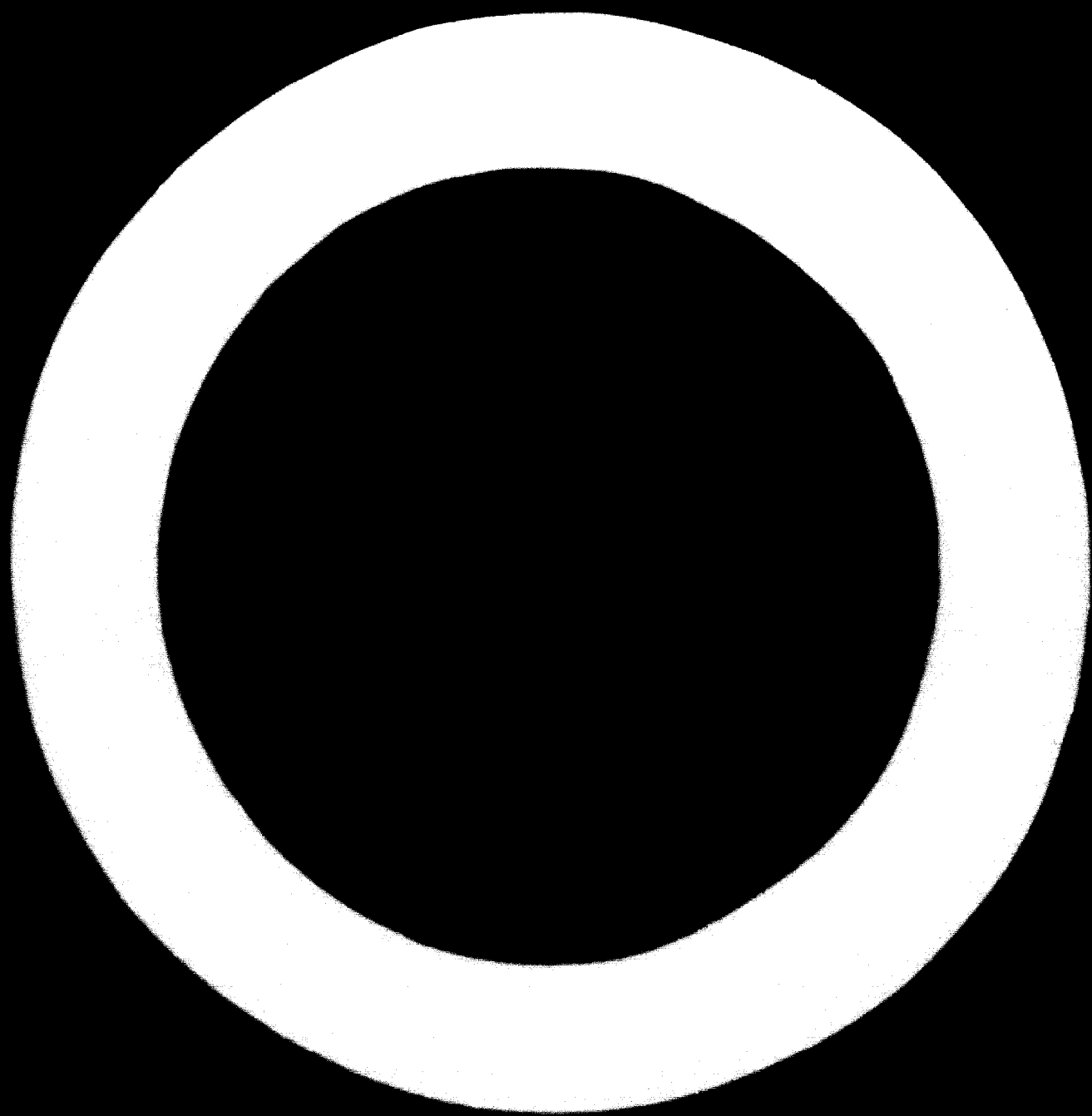
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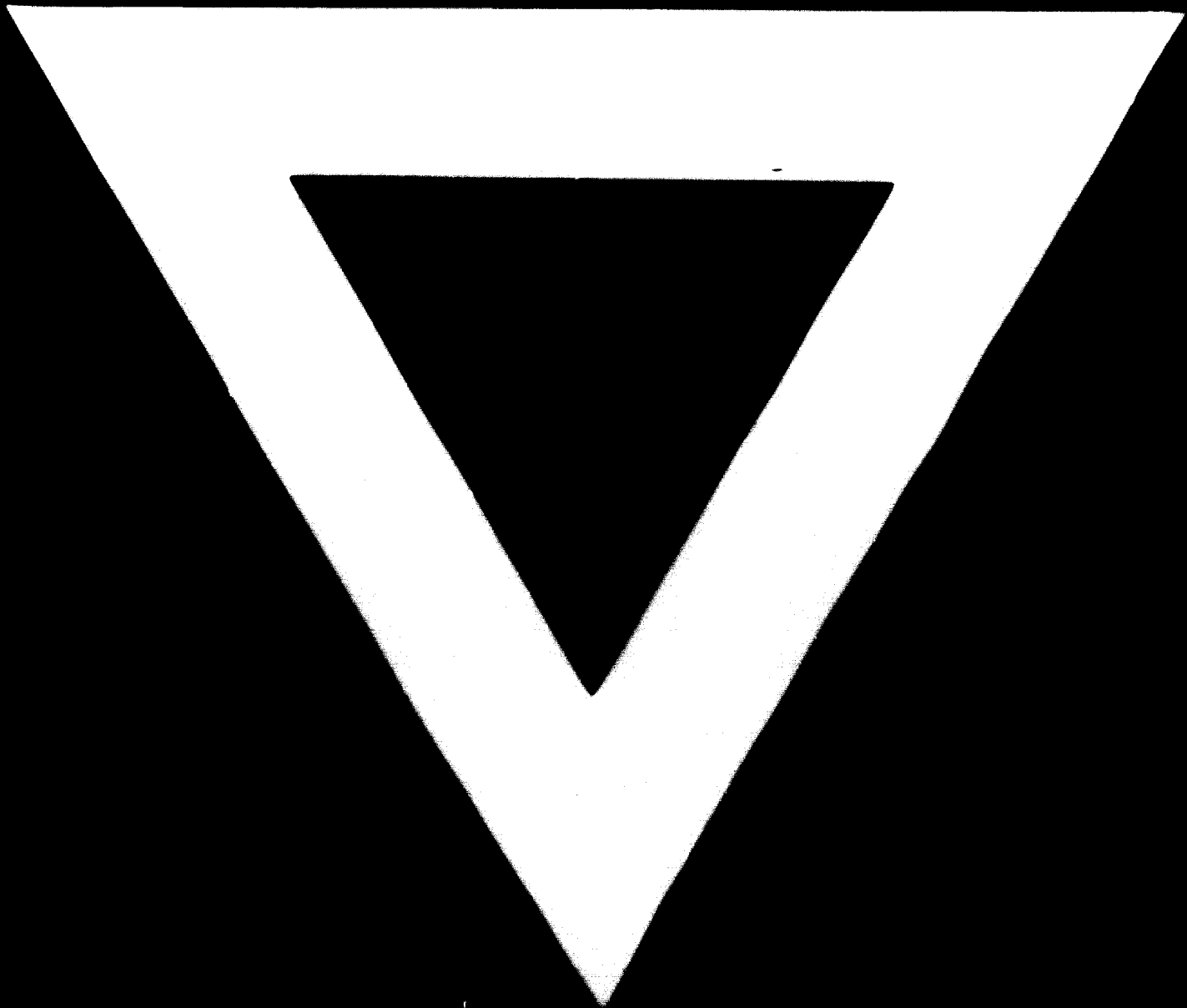
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