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Annex A

PROGRESS REPORT ON PRIORITY DEFICIENCIES OF RESEARCH  
By EIC Subcommittee on  
Industrial Machinery and Equipment

Gaps in Intelligence

Progress to Date

I. Critical Deficiencies

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A. USSR

1. Chemical Equipment
2. Precision Rotary Electrical Machines and Controls
3. Petroleum Refinery Equipment
4. Selected Construction Equipment
5. RR Rolling Stock
6. Mining Machinery

1. CIA/ORR Project 34.1558, Production of Chemical Equipment in the USSR, scheduled for completion and publication in 1957, will provide initial coverage of this deficiency.
2. CIA/ORR Project 36.1557, The Precision Electrical Machinery and Controls Industry of the USSR, has been included in the FY 1958 research program.
3. Owing to personnel limitations, project research in this subject has not yet been undertaken in CIA/ORR.
4. CIA/ORR Project 32.1920, Production of Producers Equipment in the USSR, will partially fill this gap.
5. CIA/ORR Project 32.883, Production of Locomotives in the USSR, will provide partial coverage, and is scheduled for completion in 1957.
6. Owing to personnel limitations no recent research has been undertaken by CIA/ORR. Partial coverage was supplied by CIA/ORR RR-21, The Coal Mining Equipment Industry of the USSR, published in May 1953.

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Gaps in Intelligence

7. Batteries
8. Electric Power Machinery
9. Metallurgical Equipment
10. Metalworking Equipment
11. Motor Vehicle Production
12. Soviet Price Practices and Policy

Progress to Date

7. CIA/ORR Project 36.1555, The Battery Industry of the Sino-Soviet Bloc, will provide coverage.
- 8.a. CIA/ORR has not yet initiated project research owing to non-availability of personnel.  
b. Air Force, AIB 3-11, Air Target Study of Soviet Bloc Industrial Resources (Heavy Electrical Equipment), provides partial coverage.
- 9.a. Partial coverage was provided by CIA/ORR PR-105, Ferrous Metallurgical Equipment in the USSR.  
b. CIA/ORR Project 32.1920, Production of Producers Equipment in the USSR, will extend coverage.
10. Partial coverage was supplied by:
  - a. CIA/RR RR-47, The Machine Tool Industry in the USSR. Completion of the following should cover this deficiency:
  - b. CIA/ORR Project 34.501, Production of Metalforming Equipment in the USSR, publication scheduled in 1957.
  - c. CIA/ORR Project 34.1930, Problems in Soviet Machine Building, scheduled for publication in June 1958.
11. Coverage will be supplied by CIA/ORR Project 32.620, The Motor Vehicle Industry of the USSR, to be completed in 1957.
12. Coverage of this gap will be provided by the following, scheduled for publication in 1957 and January 1958:
  - a. CIA/ORR Project 32.885, Pricing System for Producers Goods in the USSR.
  - b. CIA/ORR Project 34.894, Pricing of Capital Goods in the USSR.
  - c. CIA/ORR Project 34.1926, 1955 Ruble-Dollar Ratios for Prices of Machine Tools.

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Gaps in Intelligence

13. Soviet Equipment Replacement Policy
14. Technological Advances in the Machine Building Industries
15. Automation
16. Indexes of Production of Producers Equipment
17. Evidence of Integration in the Machine Building Industries of the Bloc
18. Economic Determinants of SovBloc Export Policy

Progress to Date

13. CIA/ORR Project 32.1773, Soviet Data on Capital and Output Relationships in Soviet Industry, will furnish partial coverage, publication to be in February 1958.
14. Partial coverage will be supplied by CIA/ORR Project 34.1930, Problems in Soviet Machine Building, publication in June 1958.
15. This gap was closed by publication of CIA/RR PR-161, Trends in Automation in the USSR.
16. Partial coverage will be supplied by CIA/ORR Project 32.1920, Production of Producers Equipment in the USSR, scheduled for publication in October 1958.
17. CIA/ORR Project 34.1928, European Satellite Trade in Producers Equipment, will provide partial coverage, publication to be in May 1958.
18. Initial and partial coverage will be provided in FY 1958 by the following:
  - a. CIA/ORR Project 34.1928, European Satellite Trade in Producers Equipment.
  - b. CIA/ORR Project 32.885, Pricing System for Producers Goods in the USSR.
  - c. CIA/ORR Project 40.1834, Review of Sino-Soviet Bloc Foreign Economic Activities.

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Gaps in Intelligence

Progress to Date

B. EUROPEAN SATELLITES

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| 19. Metalworking Equipment                           | 19. Partial coverage will be effected by CIA/ORR Project 34.1927, The Metalworking Machinery Industry of Czechoslovakia, scheduled for publication in March 1958.   |
| 20. Metallurgical Equipment Industry                 | 20. Project research has not yet been undertaken in CIA/ORR owing to personnel limitations.   |
| 21. Precision Rotary Electrical Machines and Control | 21. Research in CIA/ORR in FY 1958 will be pointed toward closing this gap with respect to the USSR.  |
| 22. RR Rolling Stock                                 | 22. Project research has not yet been undertaken in CIA/ORR owing to personnel limitations. Research performed in CIA/ORR with respect to Sections 64 (Manufacturing and Construction) of the NIS program has effectually closed this gap for several of the European Satellites. |
| 23. Non-Military Tractors                            | 23. Project research has not yet been undertaken in CIA/ORR, pending completion of current work on the comparable industry in the USSR.   |
| 24. Motor Vehicles                                   | 24. Project research has not yet been initiated in CIA/ORR, pending completion of research directed toward this gap in USSR research.   |
| 25. Agricultural Machinery                           | 25. Initiation of project research in CIA/ORR is awaiting completion of current study in the comparable industry of the USSR. Partial closure has been effected by CIA/ORR research for Section 64 (Manufacturing and Construction) of NIS studies on the Satellite producers.    |

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Gaps in Intelligence

Progress to Date

- 26. Indexes of Production of Producers Goods
- 27. Price Practice and Policy

- 26. Coverage will be supplied in part by CIA/ORR Project 32.1738, The Producers Equipment Industry of Czechoslovakia, with publication scheduled in November 1957.
- 27. Available research time in CIA/ORR is currently being directed toward closing this gap in USSR research.

C. COMMUNIST CHINA

- 28. Electric Power Equipment
- 29. Metalworking Equipment
- 30. RR Locomotives and Rolling Stock
- 31. Industrial Capital Formation in Communist China

- 28. Project research has not yet been undertaken in CIA/ORR owing to personnel limitations.
- 29. Available research effort in CIA/ORR will be devoted in FY 1958 toward closing this gap in the European Satellites.
- 30. Project research has not yet been initiated in CIA/ORR owing to personnel limitations. Partial closure has been effected by CIA/ORR research in connection with preparation of Section 64 (Manufacturing and Construction) of the NIS 39A, China.
- 31. Coverage will be supplied by CIA/ORR Project 30.1535, Industrial Capital Investment in Communist China, scheduled for publication in May 1958.

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