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final submitted to DD/I as re



for 1 year 1962 and '63

5 October 1959
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MEMORANDUM FOR: Chief, Geographic Research

SUBJECT: Proposed External Research for FY 1962-1963

1. Photo Interpretation Keys for Africa, Latin America, and Southeast Asia

Purpose: To provide research tools that will permit more effective and wider utilization of existing and future aerial photography of little-known areas of Africa, Latin America, and Southeast Asia for intelligence purposes.

Justification: The value of aerial photography as an intelligence source is limited by the requirement that the photo interpreter must have knowledge of the unique physical and cultural features of the area covered in order to recognize and interpret those features accurately. For the relatively well-known areas of North America and Western Europe this is not a major problem. For some other areas -- notably the U.S.S.R., China, and Japan -- fairly comprehensive photo interpretation keys exist, having been prepared during and since World War II. For the more remote and little-known areas of Africa, Latin America, and Southeast Asia, however, no such photo interpretation keys are known to exist, and the number of photo intelligence analysts with the required area knowledge is exceedingly limited. Yet it is in these areas that "brush-fire" conflicts and international crises may be expected to occur over the next several years, with the attendant necessity of enhanced photo intelligence efforts. The proposed photo interpretation keys would contribute to these efforts by providing research tools that would permit photo interpreters with little "built in" area knowledge to do a more effective job of interpreting aerial photography of these areas.

The photo interpretation keys are required by the Geography Division as a means of identifying, cataloging, and confirming areal differences. The availability of the proposed keys, which will have already resolved questions of areal characteristics, will facilitate the accomplishment of UW and E and E analysis and contribute to the promptness with which regional analysis in general can be accomplished.

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SUBJECT: Proposed External Research for FY 1962-63

Possible Contractors:

U.S. Forest Service, Department of Agriculture

Commercial research or mapping organization

Appropriate academic institution (for example: [redacted] for Latin America; [redacted] for Southeast Asia; [redacted] for Africa).

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[redacted]

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[redacted]

Approximate Cost: [redacted] each for the 3 areas).

2. Ethnic Maps of Eastern Europe 25X1A1a

Purpose: The objective would be to prepare a map of ethnic distributions for each of the European Satellites and Yugoslavia, using such statistical and descriptive materials as are available. The breakdown within the country would be as detailed as possible, ideally by second and third order administrative divisions.

Justification: Detailed ethnic maps reflecting the situation in Eastern Europe following the post-war migrations are lacking. The proposed series of maps are required to fill the following needs:

- a. Provide data now lacking, for the most part, in regional analyses prepared by the Division for ONE estimates, general support of OCI and ERA, and periodic evaluations of regional trends and capabilities.
- b. Provide current data for evaluating recurring minorities problems as they arise in Eastern Europe. An example is the Albanian minority problem in Yugoslavia, which is a factor in the country's stability and vulnerabilities.
- c. Provide basic data for such UW and other operational studies as the Division may be called upon to make in the continuing program.

Possible Contractors: 25X1A5a1

[redacted]

Commercial research organizations

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Approximate Cost: [REDACTED]

Data on the Cultural Geography of Africa

Purpose: To compile data on native tribes in Africa South of the Sahara. To include tribal distribution, tribal economy, basic differences between tribes and responses to processes of westernization. As a related objective, to provide analyses of representative small-to-medium sized African towns; to include layout trend of development and key sociological factors.

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Justification: Comprehensive information on African tribes is required for use in [REDACTED] UW and E and E. In addition, the information is required in such regional analyses and evaluations of regional trends and capabilities as may be required by ONE, OCI, and ERA. The ethnographic surveys of the International African Institute represent a worthwhile effort but are neither intelligence-oriented nor adequate in their rate of completion. Information on the small-to-medium sized African town is required for all of the activities noted above and has a special importance because the towns by housing both bush natives and western ideas have a particular significance in the assessment of stress and strain within the new African Nations and their societies.

Possible Contractor: The research could be accomplished largely by field work and does not necessitate the use of a single major contractor. A number of small groups working over a period of 5 years or more would be needed to make appreciable inroads on these gaps. The identify of the groups would be determined following a more detailed consideration of the task.

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Approximate Cost: For maximum return, could cost up to per year. [REDACTED]

Survey of Roads and Waterways in Latin America

Purpose: Roads -- To compile information on the surface and seasonal trafficability of all roads in Latin America, including wagon roads, with locations of bridges, junctions, and populated places. Waterways -- To compile reliable information on the navigability of rivers in Latin America for different draft boats, to include interruptions to free movements such as rapids, falls, seasonal low water, etc.

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Geographic analysis of Africa
Emerging problems in Africa
Survey of Africa
selected or studies distribution of major tribal groups
particular attention to their reactions to economic, political and sociological forces
understanding context or in association with other African states programs
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SUBJECT: Proposed External Research for FY 1962-63

Justification: Roads -- No overall survey has ever been prepared giving consistent road coverage for all Latin American countries. General Drafting Co. maps (Esso) have not been produced on all countries, and those available are generally good only for paved and all-weather national routes. Accuracy of detail is usually inadequate, especially for seasonal and local roads. Few publications give bridge data, mileages, or any analysis of the feasibility of movement in given areas. Yet this information is needed for operations support, and in all assessments of areas proposed for new development, colonization projects, rapid movement, market potential, etc. Waterways -- Information on waterways is essential to the accomplishment of geographic studies in the numerous areas where transport of all goods and personnel is limited to waterways.

Possible Contractors:

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[REDACTED]

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Private research organization such as [REDACTED]

Approximate Cost: Uncertain. Data would be available from existing compilations and local agencies and governments. The project would doubtless require more than one year for completion.

5. Survey of Special Population Groups in Latin America

Purpose: To compile basic data on various specialized population groups that are found throughout Latin America, to include: unassimilated native groups, partially and wholly assimilated native groups, unassimilated foreign groups already in occupancy, foreign groups related to new "colonization projects" (Japanese, Okinawans, Italian), and relocated population groups.

Justification: The information is required for all varieties of operations support and regional analyses that the Division is responsible to provide on the area. Available information on these groups is insufficient with reference to their locations, numbers, attitudes, susceptibilities, ability to assimilate, contribution to local economy, religious affiliations, and other factors. Much information could be extracted from the 1950 census figures, from the forthcoming 1960 census, from US and AFO reports and from isolated studies that have been made on a few aspects of particular groups. However, considerable original research work would be needed including study in the field.

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Possible Contractors: Commercial or private research must be especially oriented toward population studies.

Approximate Cost: Uncertain. A priority approach may be implemented in establishing separate series of studies.

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Acting Chief, Geography Division

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