

APPENDIX V

Concerning program models, in what respects, structurally, will the management of the IBP be similar to or different from the IGY?

Answer: The management of the IBP and the management of the IGY in many respects are quite similar. In both programs, the National Academy of Sciences, based on (1) its membership in the International Council of Scientific Unions (ICSU) and (2) its role in the U.S. scientific community, established national committees. The National Committee for the IGY established 20 technical panels. The National Committee for the IBP has established 9 subcommittees, 2 panels and 6 integrated research programs and has recognized that additional major programs will be approved as program definitions, personal commitments and sources of support are developed. The activities of the US/IGY technical panels are generally comparable to those of the US/IBP subcommittees, panels and integrated research programs.

Generally, however, administration of the US/IGY was more centralized than that now planned for the US/IBP. There are valid reasons for this difference:

a. The physical scientists participating in the IGY were generally unified in identifying the problem areas for research. In contrast, probably the greatest problem of the IBP has been concerned with this identification. It has proceeded (1) from a broad statement of IBP purpose by The International Council of Scientific Unions to (2) a broad statement of purpose by the U.S. National Committee to (3) broad statements of program goals within functional areas by the US/IBP subcommittees to (4) the development of integrated research programs and individual research proposals. This entire effort, by no means yet complete, has been voluntary on the part of many well recognized scientists, both of the U.S. and of other nations. It is logical to center the coordination involved in each US/IBP major program under the control of the director of that program.

b. Funds supporting the US/IGY were handled and controlled quite differently than they now are for the US/IBP. Like the IBP, the total IGY effort was comprised of (1) coordination of on-going work (e.g., Weather Bureau, Coast and Geodetic Survey, Navy, Air Force, Army and many others) (2) reorientations of that work as recommended by the NAS/USNC/IGY and (3) new research initiated by the NAS/USNC/IGY. The "new" money requirement for the