

pursuing advanced research in ecology, environmental physiology and related fields. It has been estimated that the integrated research program on Ecosystem Analysis, if fully activated and manned, would require many newly trained ecologists in this country. The estimate of \$21 million previously given by Dr. Bennett is based on a general recognition of the small training base in our colleges and universities in these aspects of the biological sciences and on forecasts of greater numbers of scientists needed in these fields, particularly the need for ecologists. Twenty-one million dollars over 5 years to stimulate this educational base and to increase its output is a general, but essential, part of the US/IBP. One-fifth of that amount would be the first year requirement.

The US/IBP subcommittees have stated that the following additional personnel, in three categories, would be the minimum required.

FY 69-72 TRAINING ESTIMATES BY USNC/IBP SUBCOMMITTEES

	PT	PP	CT	PF	PM	HA	UM	Total	Cost @	Total Cost
Pre-doctoral	84	120	12	180	135	160	50	741	\$10,200	\$7,558,200
Post-doctoral	36	40	16	35	200	160	20	507	18,300	9,278,100
Technical	60	--	--	38	17	200	20	335	11,500	3,852,500
								1583		\$21,688,800

e. Summary of "New" Money Needed for the US/IBP

	<u>1st Year Support in \$ Millions</u>	<u>5 Year Support in \$ Millions</u>
Approved Integrated Research Programs	2.40	77.00
Developing Integrated Research Programs	0	77.00*
Individual IBP Proposals	4.46	22.30
Training	4.20	21.00
Contract Support by NAS	.40	2.00
Total	11.46	199.30

*It is estimated that the developing integrated research programs, included in the above will equal or exceed the approved integrated research programs. Enclosure 3 to Appendix I illustrates a possible budget of one of these plans.