

Activity	Estimated approximate annual cost	Status	Comment
Argonne National Laboratory:			
Pollution forecasting manual.....	50,000	Proposal sent to city of Chicago.	Joint AEC-HEW, city of Chicago program.
Chicago air model.....	200,000	Renewal proposal being reviewed by NCAPC.	
Storage battery:			
Study.....	50,000	Under review by NCAPC panel..	
Development.....	250,000		
Fluidized bed treatment of coal.....	200,000	Fund transfer being arranged between HEW and AEC.	Joint ANL-University of Illinois proposal. ANL and AUA modifying proposal.
Improvement of thermal efficiency.....	500,000	Proposal being reviewed by Office of Coal Research.	
Study of Salt Creek.....	150,000	Reviewed and deferred by HEW and Interior.	
Braille reader.....	50,000	Contract being negotiated with Office of Education.	
Trace metal analysis.....	50,000	Being discussed by NCAPC and ANL.	
Artificial kidney.....	250,000	Proposal being prepared for NIH.	
Brookhaven National Laboratory:			
Hydrogen storage.....	50,000	Under review by NCAPC panel..	Bituminous Coal Institute, Office of Coal Research, BNL meeting, May 2. Joint program (BCI, Interior, AEC, NCAPC) being formulated.
Combined nuclear fossil-fuel powerplant.....	100,000	Under review by Office of Coal Research.	
Radiation treatment of wastes.....		Joint FWPCA-AEC Headquarters study being completed.	In discussion stage only.
Stable tracers for SO ₂	100,000	Joint AEC-NCAPC study of economics in progress.	
Oak Ridge National Laboratory:			
Hyperfiltration and pollution control.....	300,000	Being forwarded to FWPCA.....	Portion of above study.
Hyperfiltration of municipal sewage.....	100,000	Transmitted to FWPCA.....	
Treatment of solid wastes....	100,000	Proposal to HUD.....	
Tunneling technology.....	100,000	-----do-----	
Thermal energy for urban use.....	100,000	-----do-----	Meeting at ORNL, May 2.
Algal growth.....	1,000,000	Being reviewed by FWPCA.....	
Heavy metal fuel additives....	1,000,000	Under discussion with NCAPC..	

Note: FWPCA—Federal Water Pollution Control Administration, Department of the Interior; NCAPC—National Center for Air Pollution Control, Department of HEW.

Mr. ROUSH. Our next witness is Frank W. Lehan, who is Assistant Secretary for Research and Technology, Department of Transportation.

I observe, Mr. Lehan, that you have several pages here single spaced. We will leave the choice up to you, but I think the committee might be pleased if you would perhaps summarize some of this and we will, unless there is an objection, include the entire statement as part of the record.

Mr. LEHAN. That would be quite satisfactory.

Mr. ROUSH. Proceed.

(The biography of Mr. Lehan follows:)

FRANK W. LEHAN

Mr. Frank W. Lehan was appointed Assistant Secretary for Research and Technology in the Department of Transportation on December 18, 1967.

Mr. Lehan has had a distinguished career in systems technology. He was born in Los Angeles on January 26, 1923, and attended the California Institute of Technology, where he received his B.E.E. Degree with highest honors in 1944. He was elected to Sigma Xi and Tau Beta Pi honorary fraternities.

Mr. Lehan joined the Jet Propulsion Laboratory of Caltech upon graduation and served from 1944-49 as Chief of the Telemetry Section. From 1949-51 he was Chief of the Telecommunications Section, and in 1952 he was advanced to Chief of Electronics Research. He served in that capacity until 1954, when he joined Space Technology Laboratory of the Ramo-Wooldridge Corporation, as Associate Director of the Electronics Laboratory.