

The following are the pertinent data on area covered and time involved in the exploration campaign in Peru:

Total area covered by aerial survey approximately.....	15,000 sq. miles
Total time spent on project (including time for preparation and winding up).....	26 months
Time from beginning of aerial survey to date of issue of maps b and c.....	19 months
Time from end of aerial survey to date of issue of maps b and c.....	4 months

These data clearly demonstrate the great advantage which a properly integrated aerial survey can have for an exploration venture.

THE GIFT OF ENGINEERING*

By L. E. Grinter, Vice President of the ASEE

IN THE Beginning only Divine Force could have guided creation of the Universe and the evolution of life on Earth. All creatures endured the forces of nature until the mind of man matured. Then man's desires sought satisfaction by invention of tools to strengthen his hand. But tool making brought civilization with collective cares outreaching the ability of arms even when aided by the lever and wheel. Slowly our forebears began to discover natural laws that explained the drawing of power from falling water, wind and steam. It was only in our fathers' time that electricity on wires, and then on wireless waves encircled the earth, yet we have cradled atomic change and released the latent energy that lights the stars, thereby threatening the existence of our enemies and of our own children. It is the engineer's destiny to control and direct power in order to "provide for the common defense, promote the general welfare," and so to help "secure the blessings of liberty to our-

selves and our posterity."

As an engineer you are given a favored part in this great design; without you the plan would be less perfect. When you build a bridge, design a dam, perfect a process or link power lines together you play a role in the achievement of human destiny. You therefore owe everything that you have to give in honest and sincere effort toward engineering progress. Dishonesty is inconceivable in even the smallest detail of a professional mission. Carelessness and sloth are but little less reproachable. Integrity and energy deepen the luster placed upon the profession of engineer by the master builders of the past. Disclosure of advances must be given freely to aid in educating the engineers of the future. Thus with each generation rising above the teaching of its forerunner, progress by employment of science is the gift of engineering to mankind. With this gift must go the engineer's unending effort that ethics may mark its use and morality remain its master.

* From an address to Engineering Students. Publication permitted by Mr. Grinter.

NEWS NOTE—FLORIDA CONFERENCE

The steering committees for the Sixth Annual Highway Conference and the Fifth Annual Surveying and Mapping Conference have decided to hold a combined Highway and Surveying Conference on October 23 and 24. This will be held in Gainesville under the sponsorship of the Civil Engineering Department, as a func-

tion of the Engineering and Industrial Experiment Station, University of Florida. There will be general sessions of interest to both groups covering a comprehensive study recently made of Florida's highway system, highway location, and the application of photogrammetry to highway location.