We're looking for engineers and scientists to create at NOL

NOL is a diversified research & development laboratory. It is the nation's leading R&D establishment for Anti-Submarine Warfare (ASW), the Navy's principal high speed aeroballistics activity and a leader in the development of new air and surface weapons. And NOL is the Navy's primary laboratory for the development of projectile, rocket, and bomb fuses. Creative opportunities are countless where the spectrum of research ranges from nuclear effects to acoustics to explosives and materials.

The primary purpose of NOL is to create advanced naval weapons. Since 1950, NOL has completed 158 new weapons and devices including SUBROC, the deadliest ASW weapon ever devised... design data for POLARIS, TARTAR, TERRIER, TALOS, ATLAS, and TITAN missiles... nuclear depth bombs, mines, projectile fuses... magnetic locator and novel warheads for guided missiles... new explosives and magnetic materials... the arming and fusing mechanisms for many missiles.

At NOL, weapons development is carried through from inception to design to prototype test and development. NOL is a unique organization—a laboratory within the real meaning of the word—and one of the largest laboratories in the world. A civilian staff of over 3,000 people includes more than 1,000 professional engineers and scientists—experts with national and international reputations. Extensive and unique facilities embrace wind tunnels operating to Mach 17, hypervelocity ballistic ranges, the world's most exceptional hydroballistic facility, shock tunnels, IBM 7090 computer, 30' radius centrifuge, 3 MEV Van der Graaf Accelerator, 10-million electron-volt X-ray, 100' high underwater weapons test tank, research ship, unmanned seagoing platform for acoustics research, and field test installations... multi-million dollar experimental facilities.

As a graduating engineer or physicist, you may become part of this creative organization. At NOL, engineers perform basic prototype design development, test and evaluation... conduct studies and participate in management.

Aerospace engineers conduct design studies of high-speed, high-performance re-entry systems and solve basic problems in theoretical and experimental aerothermodynamics, aeroballistics and hydroballistics... They perform the aerodynamic design and development of hypervelocity wind tunnels and ballistic ranges.

Mechanical engineers conceive, design, develop and test warhead safing, arming and target-detecting devices for tactical and strategic missiles, underwater weapons, rocket motors, jet and aerodynamic controls, complex weapon vehicle structures, and mechanical or electro-mechanical time and motion-sensing mechanisms.

Electronic engineers design and develop underwater communications and detection systems, weapon guidance systems, influence fusing, airborne missile systems, instrumentation for weapons evaluation and aeroballistics research, and perform new concept feasibility experiments.

Physicists conduct basic and applied research in electromagnetic and infra-red radiation, oceanography, acoustics, magnetic and semi-conductive materials... perform analytic studies of weapon systems. NOL selects engineers from the top third of their class and scientists from the top quarter. Those selected enter the NOL Professional Development Program with rotational assignments to various areas within the Laboratory. From the very beginning, opportunity exists to contribute directly to significant projects... to be part of an organization where groups are small and emphasis is on the individual.

At NOL creative experience and advanced education go hand-in-hand. Graduate study programs provide both time and financial support... the University of Maryland is only minutes away, and graduate level courses are taught at NOL every semester.

An 875-acre "campus" in the rolling hills of Maryland near the nation's capital, NOL's tree-lined location in suburban White Oak has abundant Laboratory parking with immediate access to a new freeway which encircles Washington, D. C. nearby recreational opportunities on Chesapeake Bay... excellent local school system. An NOL representative will be on campus...

November 8 and 9, 1965

Contact your Placement Office for interview.

Summer professional employment... for outstanding graduate students and students who have completed their third year in engineering or physical science... top quarter, "B" ave. min. requirement.