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The University of New Mexico

Division of Public Administration
Albuquerque, NM 87131
Telephone 505: 277-3312

DESIRABLE KNOWLEDGE, SKILLS & ABILITIES OF ENVIRONMENTAL HEALTH GRADUATES FROM SCHOOLS OF PUBLIC HEALTH OR GRADUATE ENVIRONMENTAL HEALTH PROGRAMS

by

**LARRY GORDON, VISITING PROFESSOR OF
"PUBLIC ADMINISTRATION, UNIVERSITY OF NEW MEXICO**

-COMPREHENSIVE KNOWLEDGE OF ENVIRONMENTAL HEALTH
PROBLEMS AND PROBLEM-SOLVING METHODOLOGIES. POSSIBLY A
SPECIALIZATION IN ONE OR MORE AREAS OR IN MANAGEMENT
DEPENDING ON THE POSITION.

-A REALIZATION THAT MOST CURRENT ENVIRONMENTAL HEALTH
PROGRAMS ARE CURATIVE IN NATURE RATHER THAN PREVENTIVE, AND
THAT MAJOR CURATIVE EFFORTS ARE DIRECTED TO PROBLEMS
CREATED BY DECISIONS MADE EARLIER BY OTHER GOVERNMENTAL AND
PRIVATE SECTOR INTERESTS. THEREFORE, ENVIRONMENTAL HEALTH
GRADUATES SHOULD HAVE THE ABILITY TO BECOME INVOLVED IN A
PREVENTIVE MODE WHEN DECISIONS ARE BEING MADE REGARDING
LAND-USE, RESOURCE UTILIZATION, TRANSPORTATION
METHODOLOGIES, POPULATION LEVELS, ENERGY PRODUCTION
ALTERNATIVES, ECONOMIC DEVELOPMENT, AND EDUCATIONAL
ENHANCEMENT.

PREPARED FOR PRESENTATION AT MEETING OF "CAREER DEVELOPMENT
IN ENVIRONMENTAL HEALTH PROJECT" SPONSORED BY ASSOCIATION
OF SCHOOLS OF PUBLIC HEALTH AND FUNDED BY BUREAU OF HEALTH
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A Place in Your Future

-KNOWLEDGE OF RISK ASSESSMENT, RISK MANAGEMENT, AND RISK COMMUNICATION.

-KNOWLEDGE OF THE PRINCIPLES AND APPLICATION OF EPIDEMIOLOGY, BIostatISTICS, AND TOXICOLOGY.

-ABILITY TO BECOME CONSTRUCTIVELY INVOLVED IN SUCH GLOBAL ENVIRONMENTAL HEALTH ISSUES AS OZONE DEPLETION, ACID RAIN, GREENHOUSE EFFECT, OVER-POPULATION, DESERTIFICATION, DEFORESTATION, ETC.

-ABILITY TO COMMUNICATE CLEARLY - BOTH ORALLY AND IN WRITING

ORGANIZATIONAL & MANAGERIAL ISSUES SUCH AS:

-KNOWLEDGE OF GOVERNMENTAL STRUCTURE AT THE FEDERAL, STATE, AND LOCAL LEVELS, AND MORE DETAILED KNOWLEDGE OF THE VARIOUS ENVIRONMENTAL HEALTH ORGANIZATIONS AND RESPONSIBILITIES.

-KNOWLEDGE OF PRINCIPLES OF ENVIRONMENTAL LAWS AND REGULATORY APPROACHES.

-KNOWLEDGE OF THE RELATIONSHIPS BETWEEN HEALTH STATUS, ECONOMIC VITALITY AND EDUCATIONAL ATTAINMENT.

-KNOWLEDGE OF PRINCIPLES OF PROGRAM DESIGN, PROGRAM PLANNING. AND EVALUATION.

-UNDERSTANDING THE INTERRELATIONSHIPS OF THE VARIOUS ENVIRONMENTAL HEALTH PROBLEMS AND PROGRAMS.

-UNDERSTANDING THAT HEALTH IS A BASIC GOAL, BUT SHOULD ALSO CONSIDER SAFETY, COMFORT, AND ECONOMIC AND SOCIAL WELL-BEING.