

DOCUMENT RESUME

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ABSTRACT

The 15 occupational clusters (transportation, fine arts and humanities, communications and media, personal service occupations, construction, hospitality and recreation, health occupations, marine science occupations, consumer and homemaking-related occupations, agribusiness and natural resources, environment, public service, business and office occupations, manufacturing, and marketing and distribution) are presented in the form of branching tree diagrams showing a breakdown to four levels of detail for each cluster. (SA)

OCCUPATIONAL

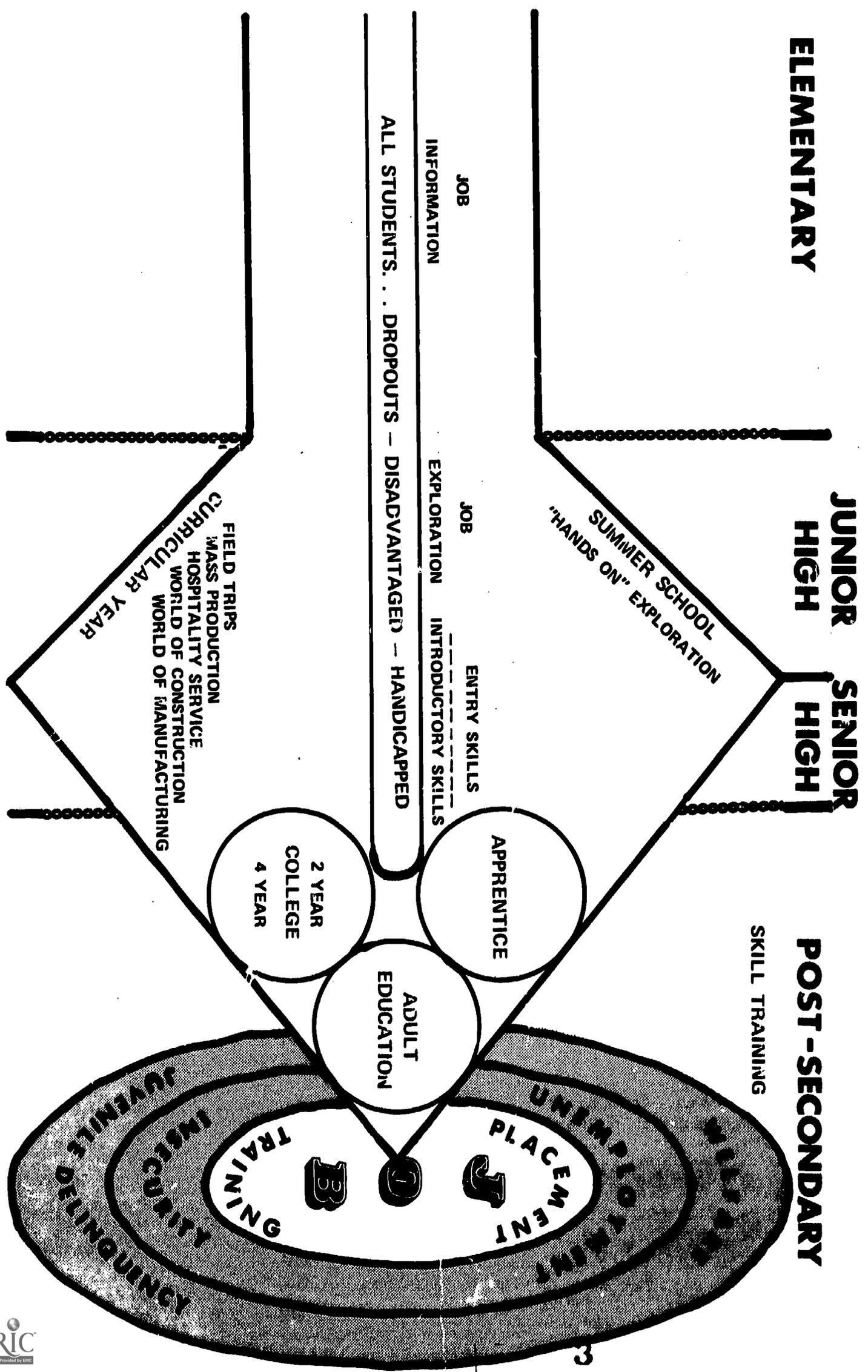
CLUSTERS

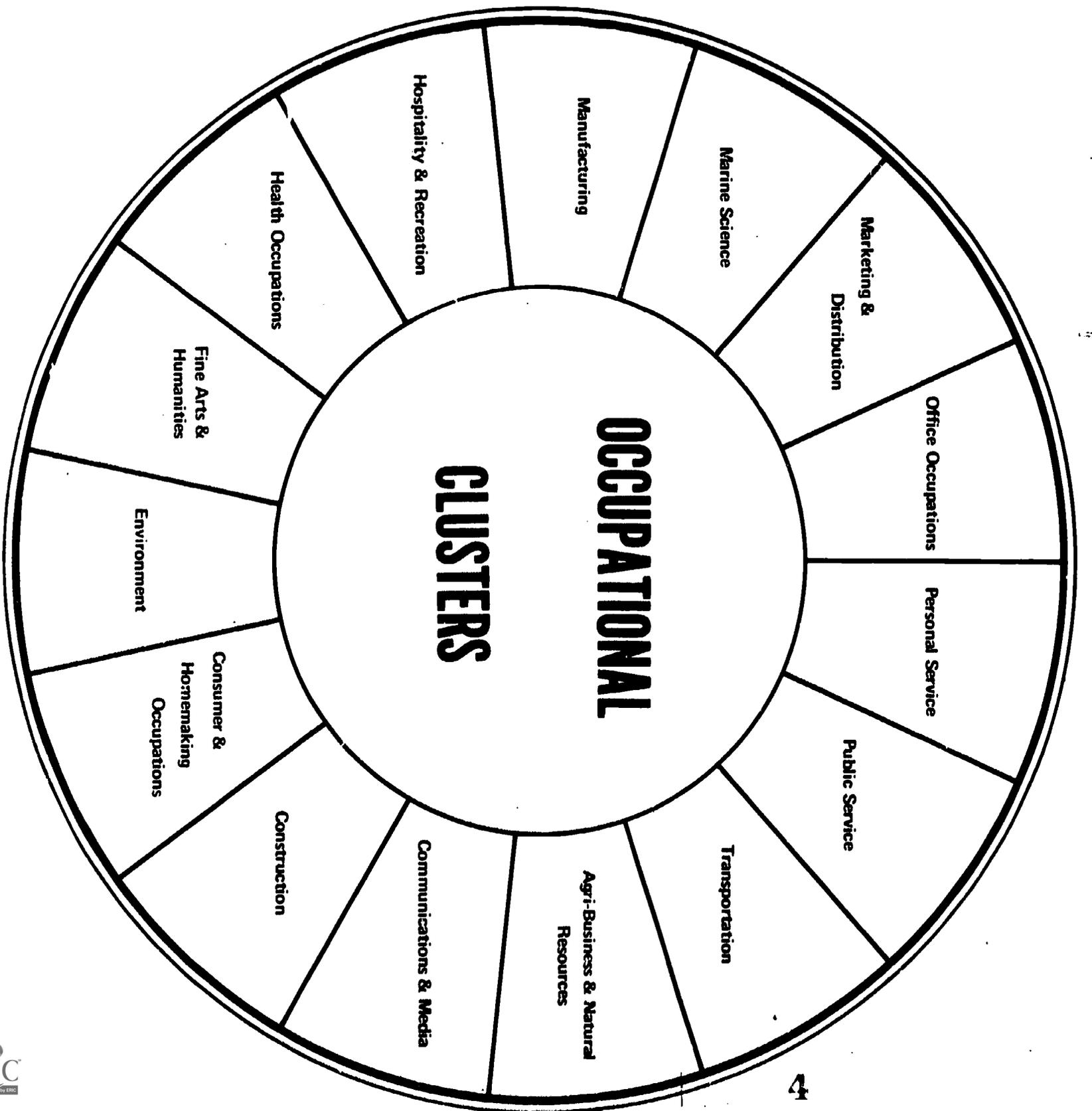
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EXEMPLARY PROJECT IN CAREER EDUCATION

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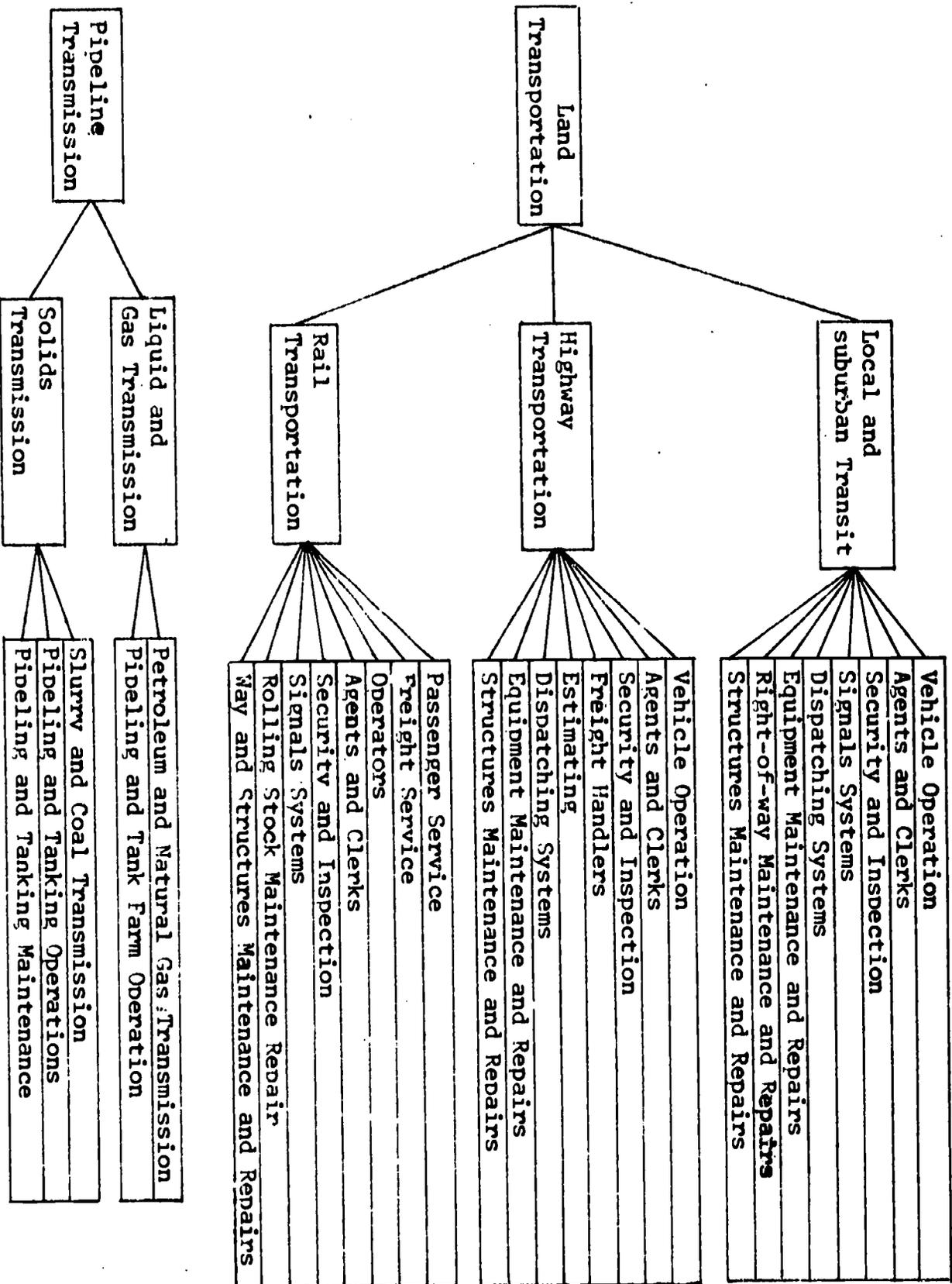


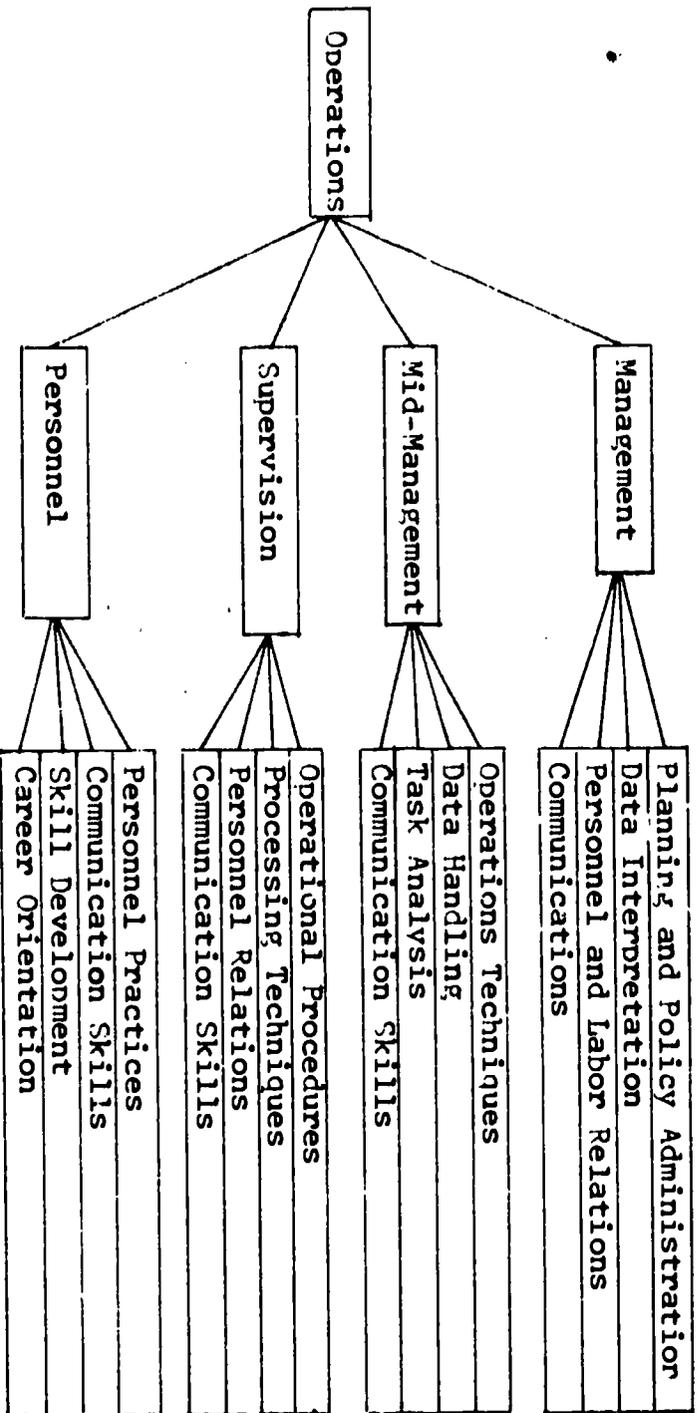
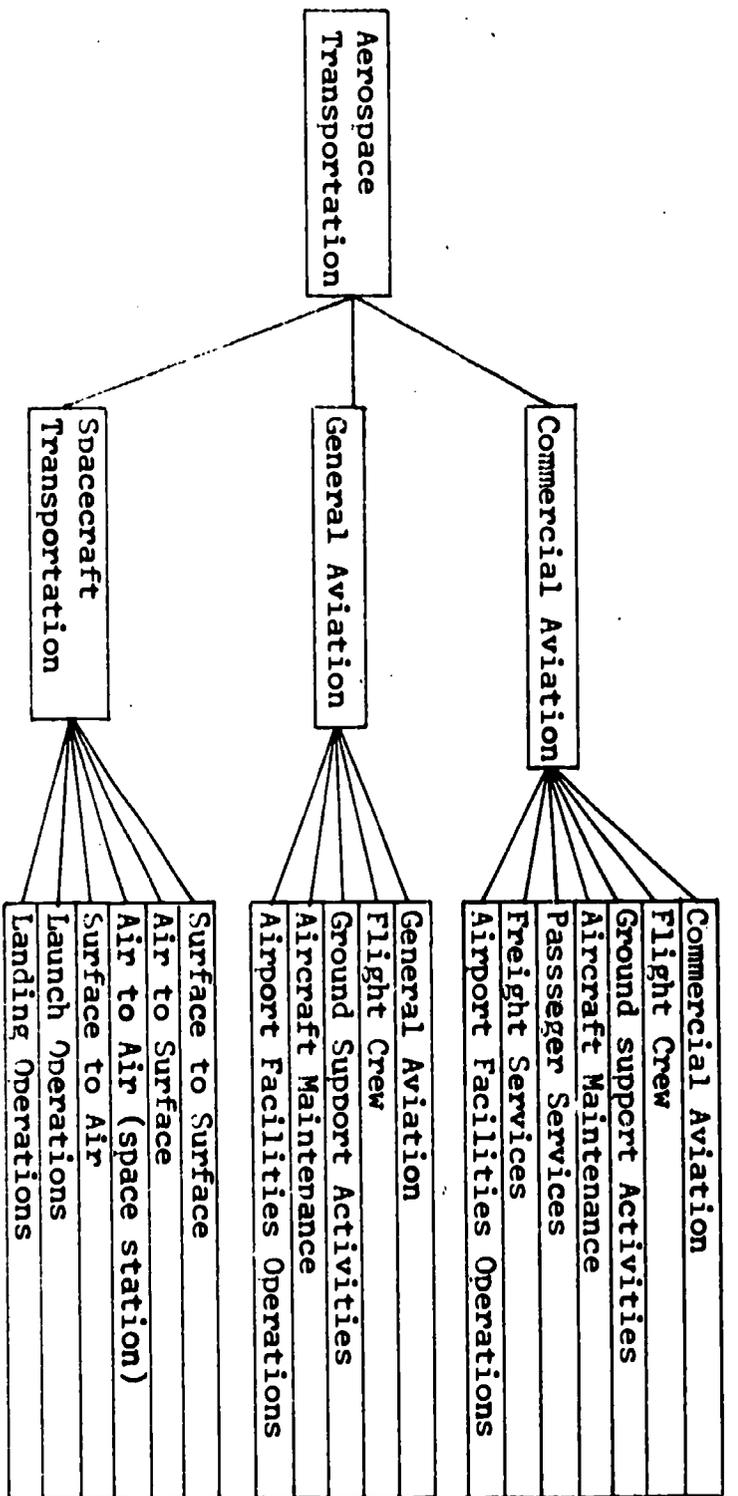


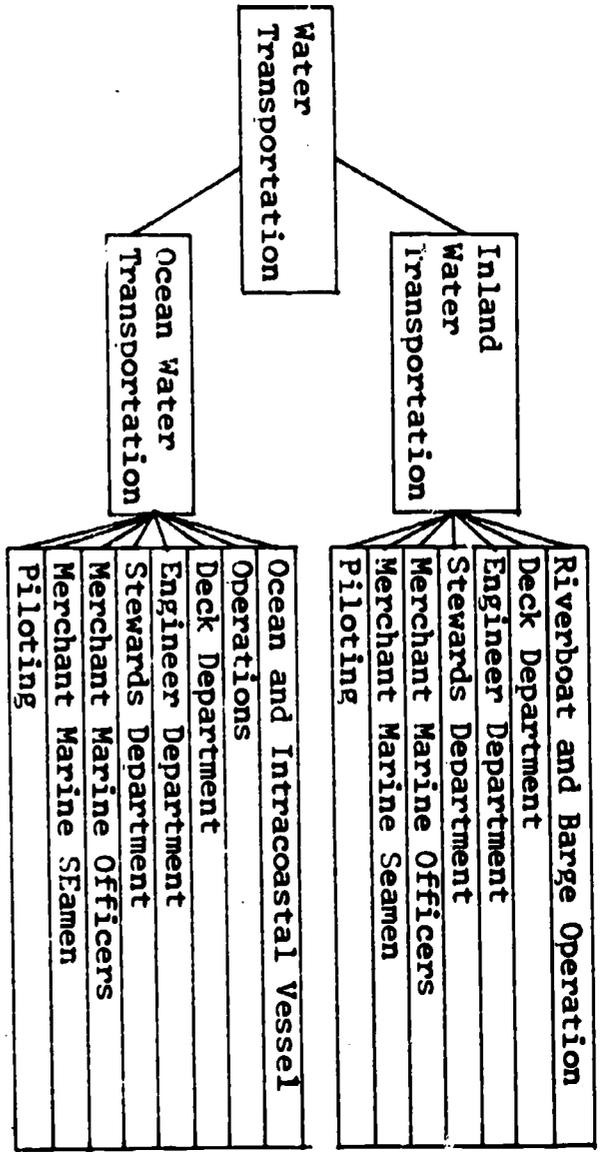
CLUSTER INDEX

Transportation	A-1, 2, 3
Fine Arts and Humanities	B-1
Communication and Media	C-1, 2
Personal Services Occupations	D-1, 2, 3
Construction	E-1, 2, 3
Hospitality and Recreation	F-1, 2, 3, 4
Health Occupations	G-1, 2, 3, 4, 5
Marine Science Occupations	H-1, 2, 3, 4, 5
Consumer and Homehaming--Related Occupations	I-1, 2, 3, 4
Agri-Business and Natural Resources	J-1, 2, 3, 4, 5
Environment	K-1, 2, 3, 4, 5
Public Service	L-1, 2, 3, 4, 5, 6
Business and Office Occupations	M-1, 2, 3
Manufacturing	N-1, 2
Marketing and Distribution Occupations	O-1, 2, 3

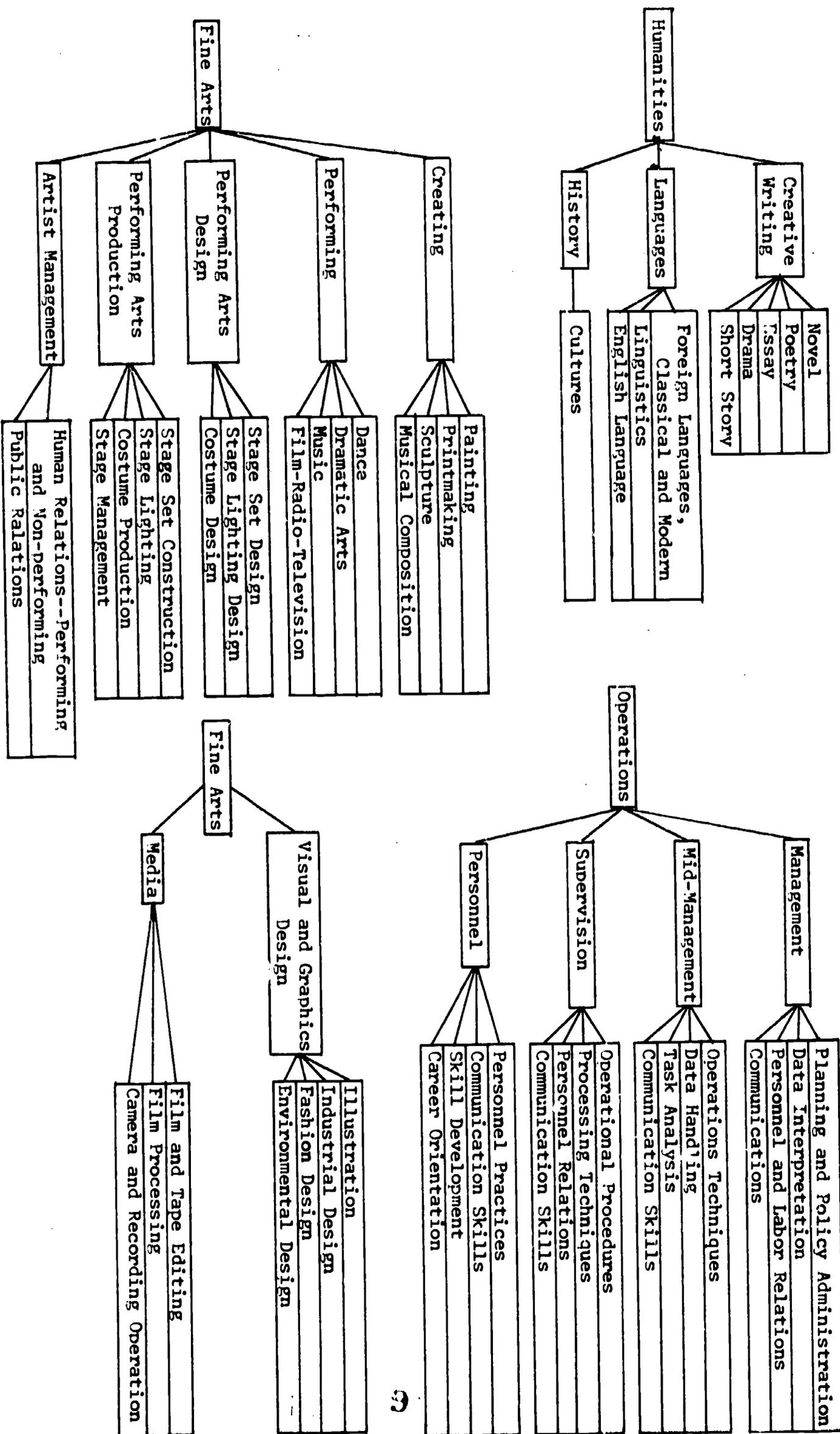
CLUSTER FOR
TRANSPORTATION



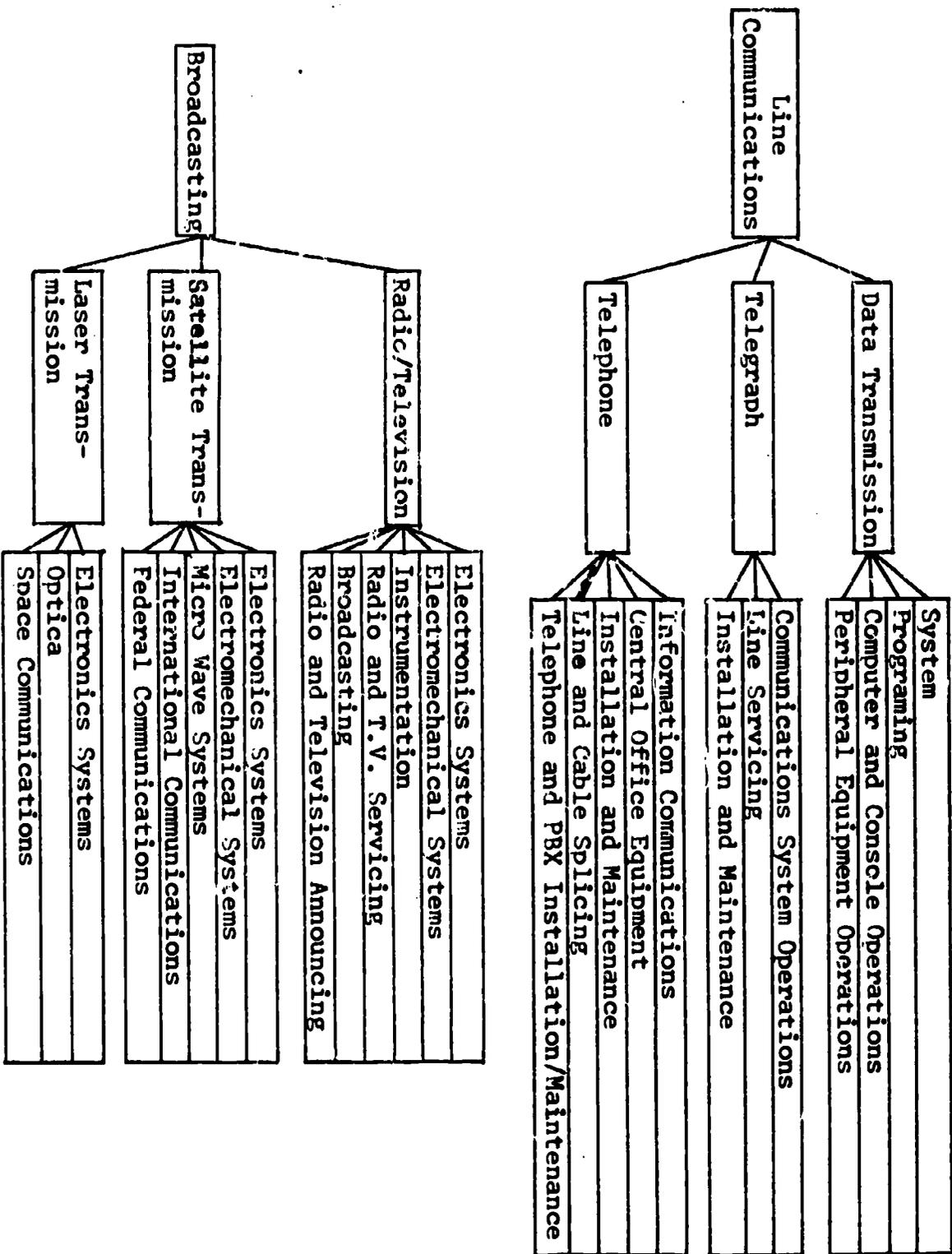


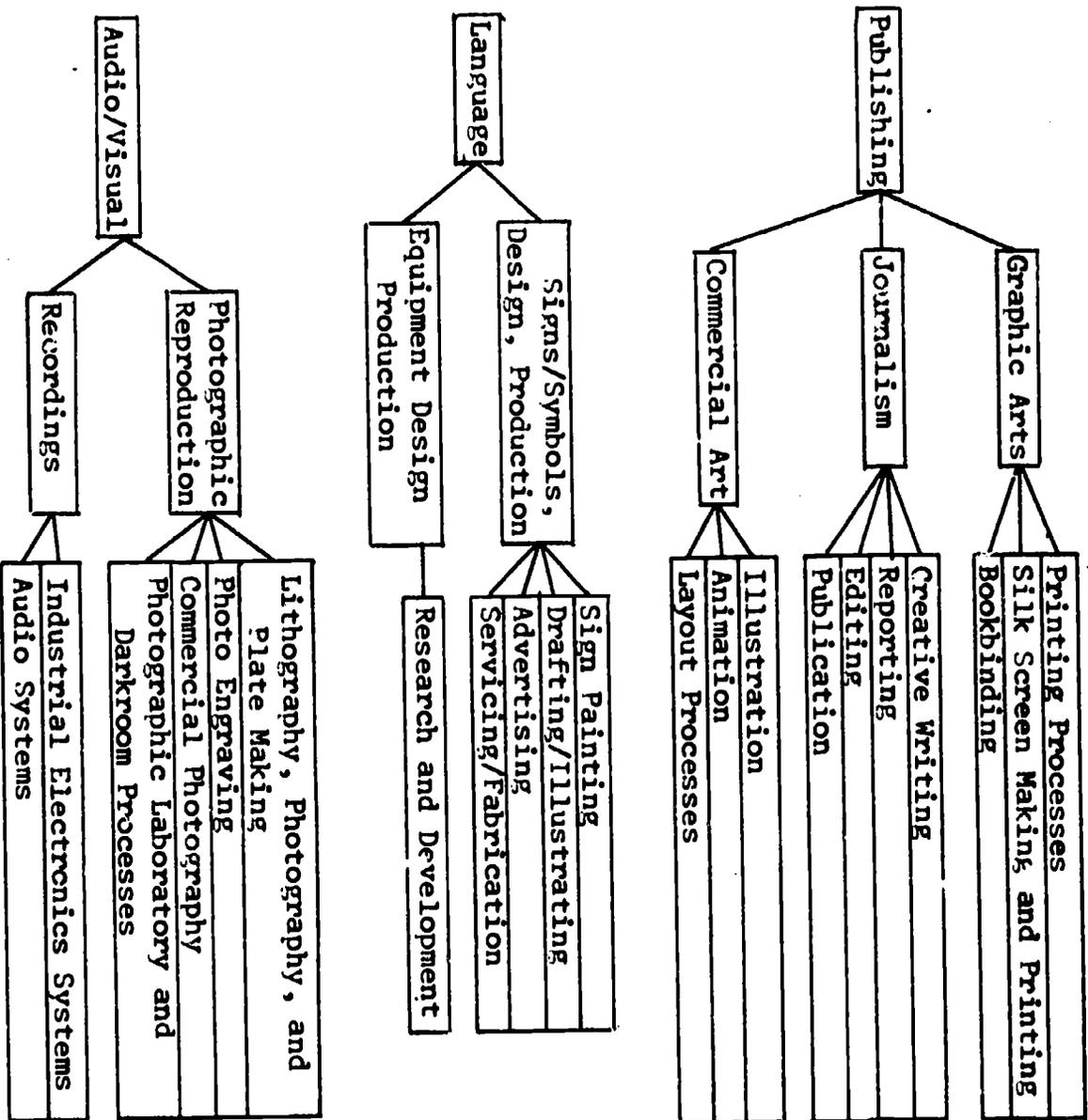


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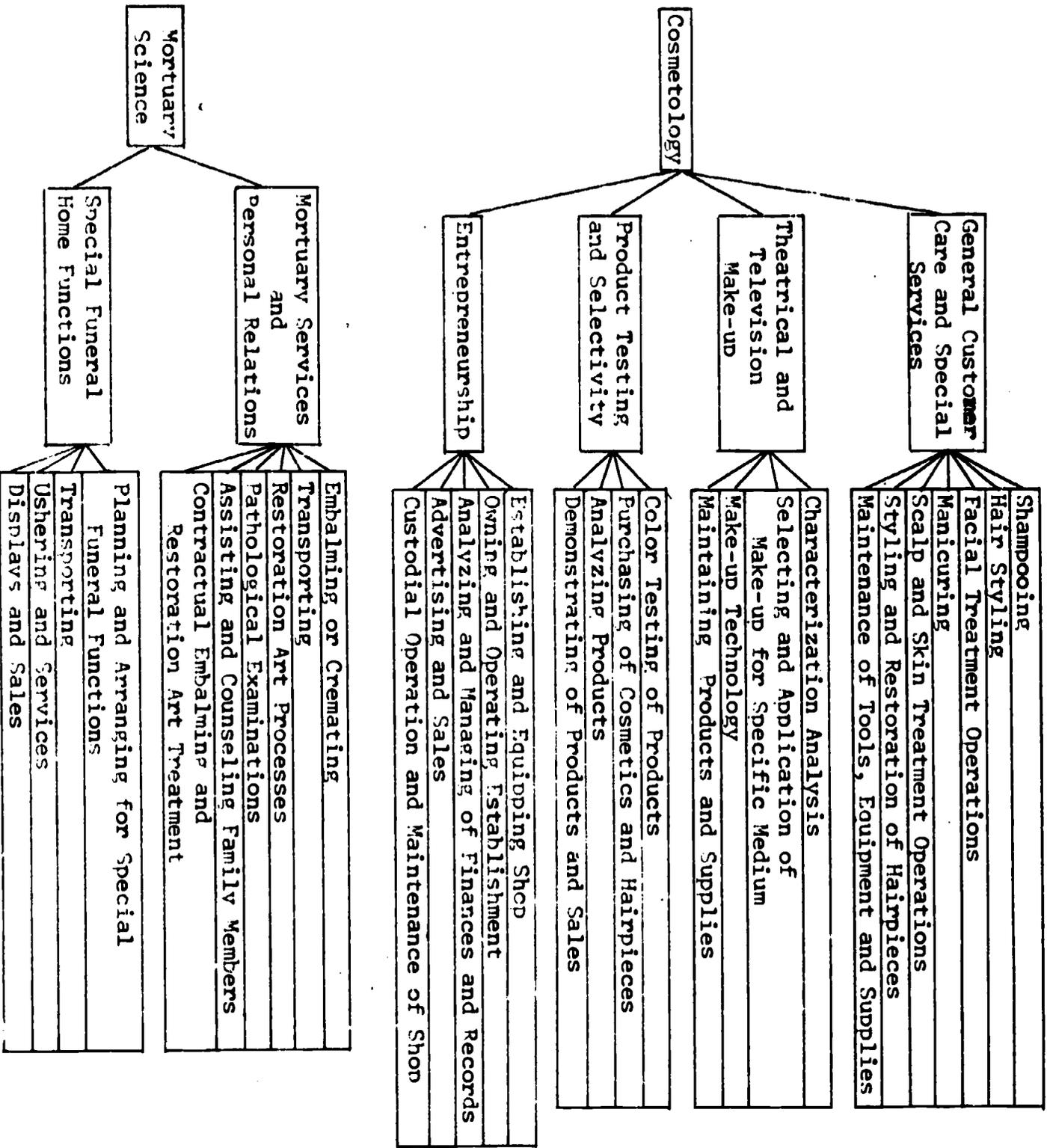


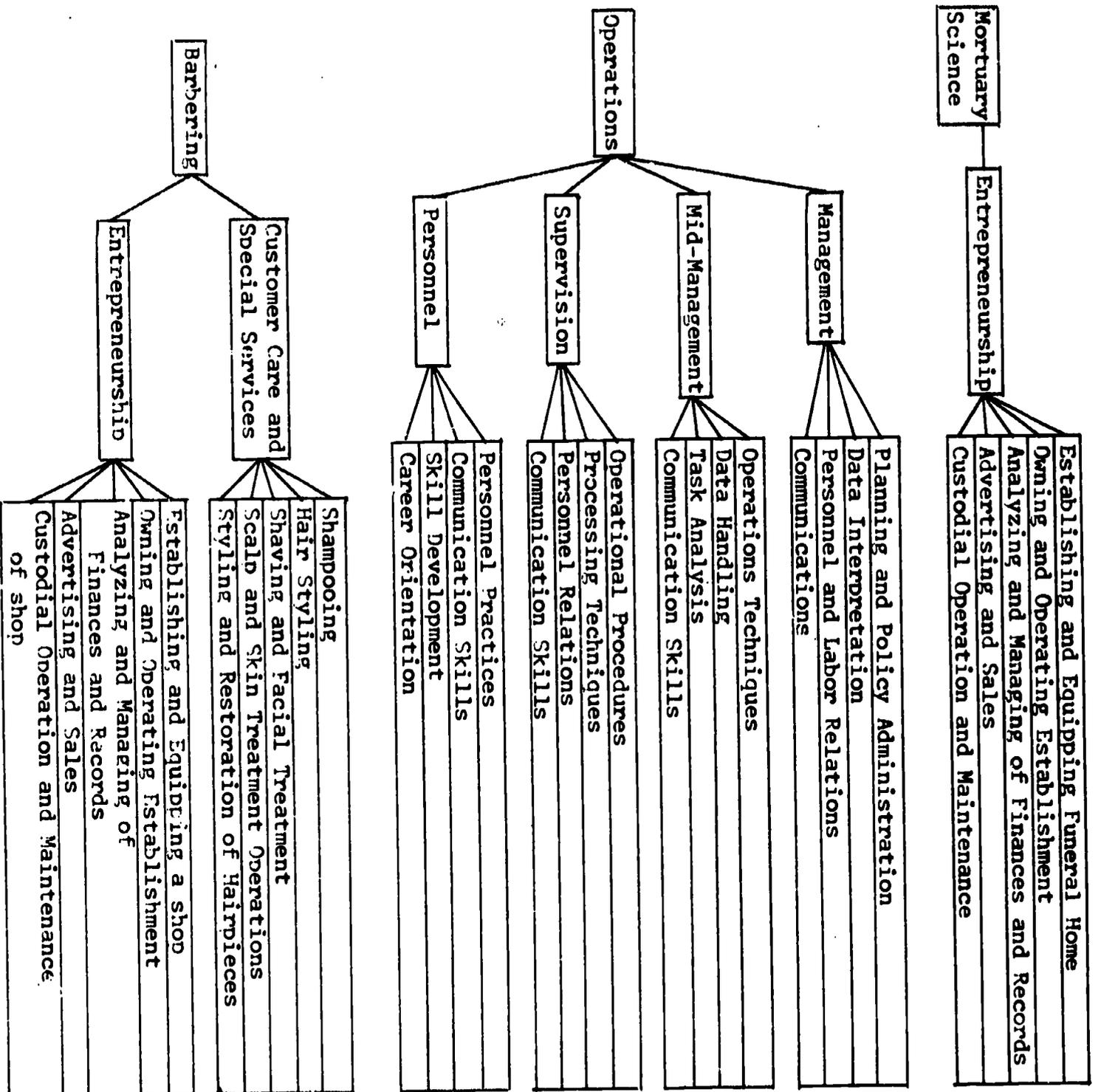
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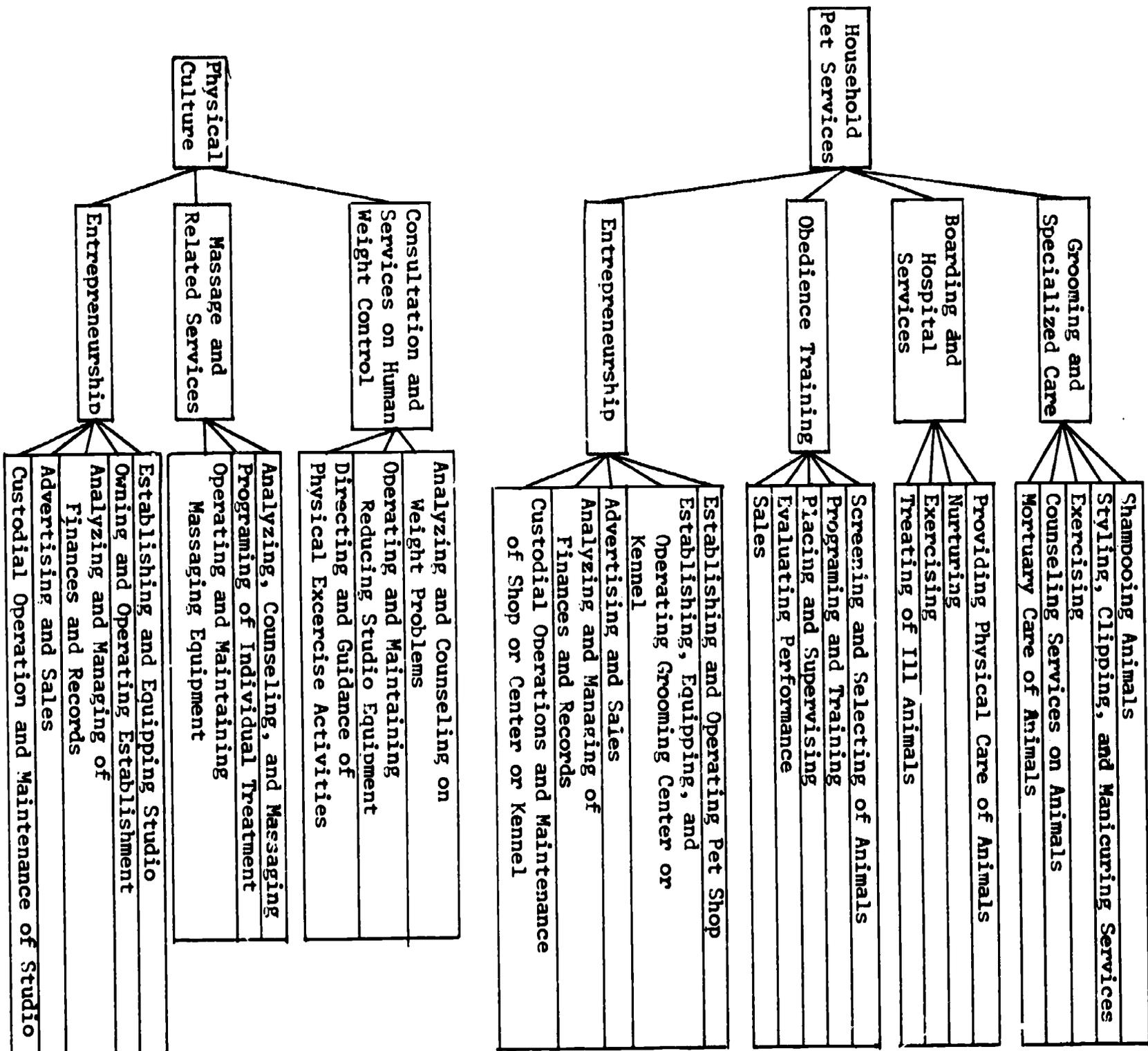




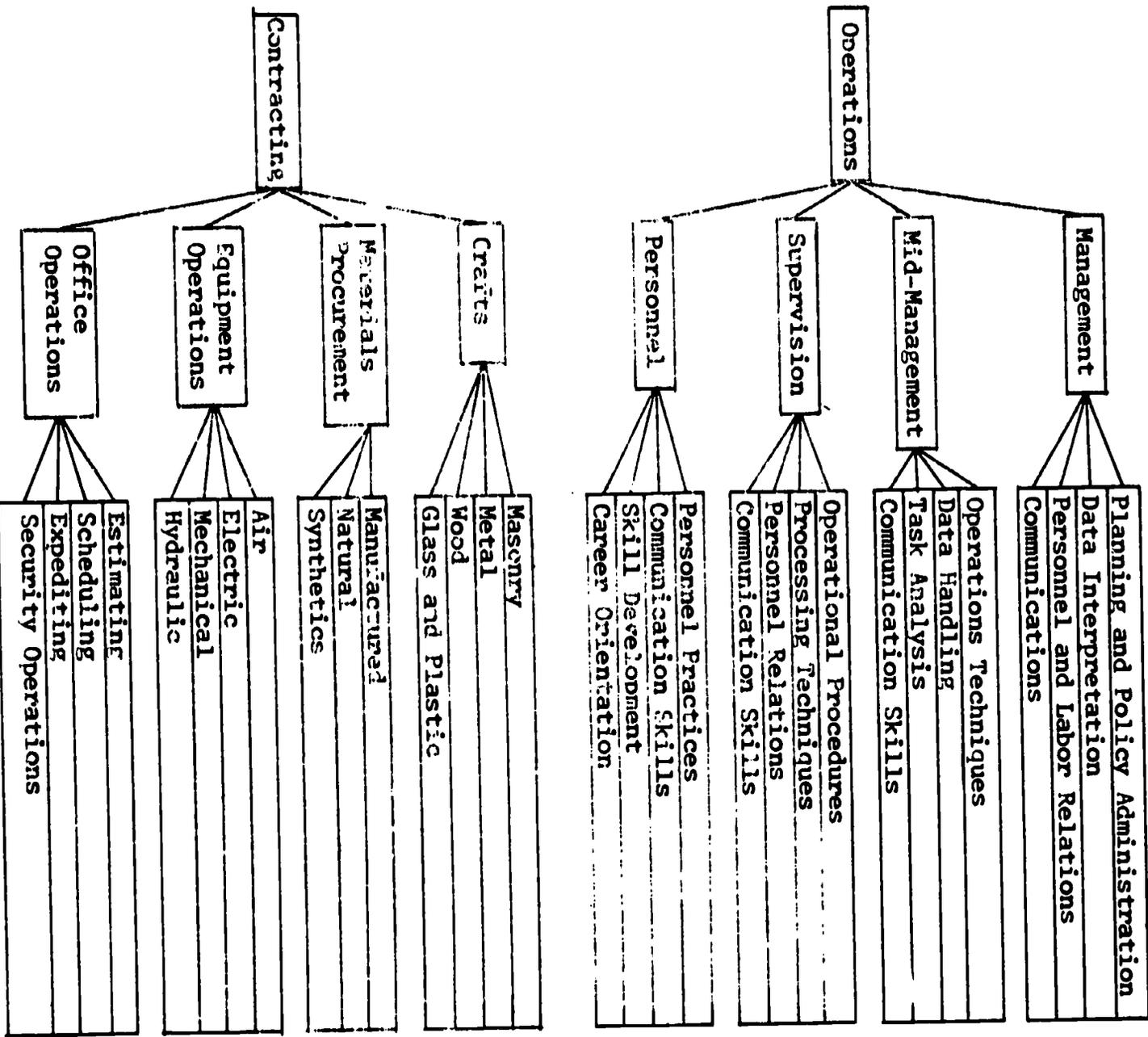
CLUSTER FOR
 PROFESSIONAL SKILLS EDUCATION



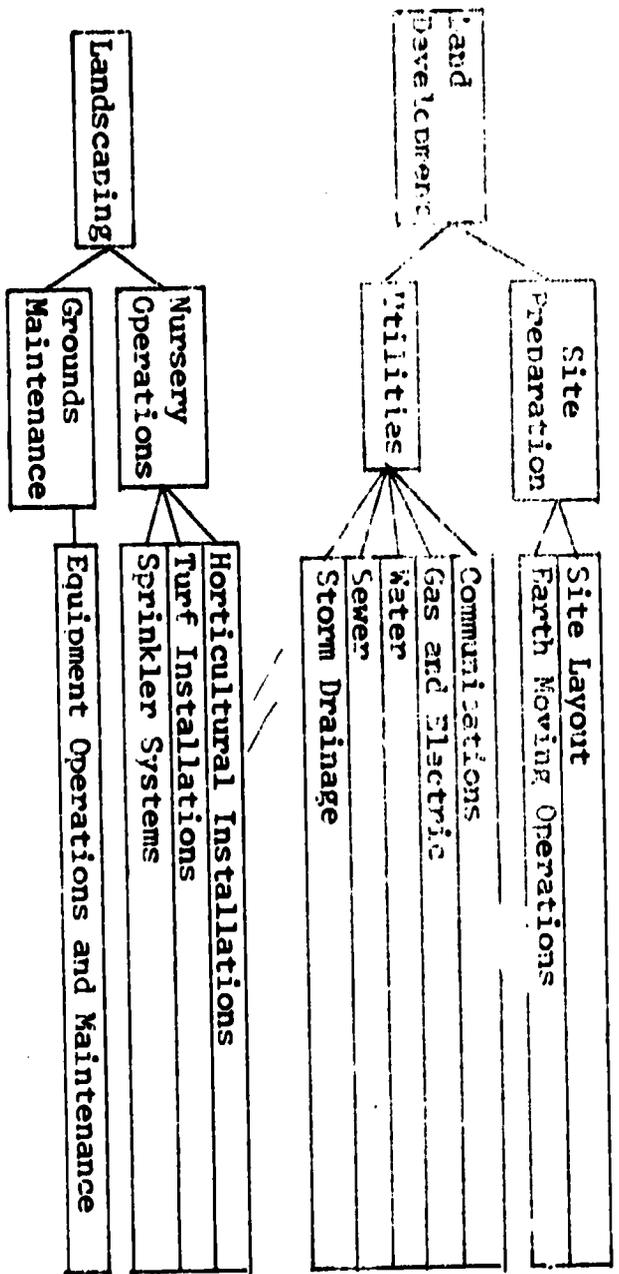
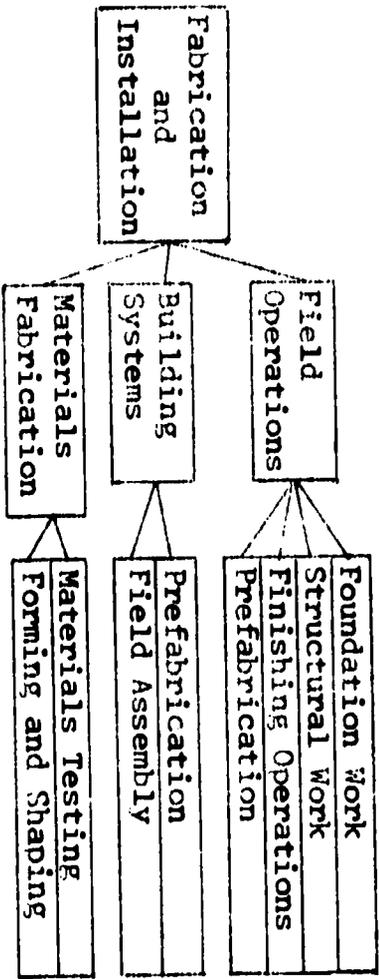
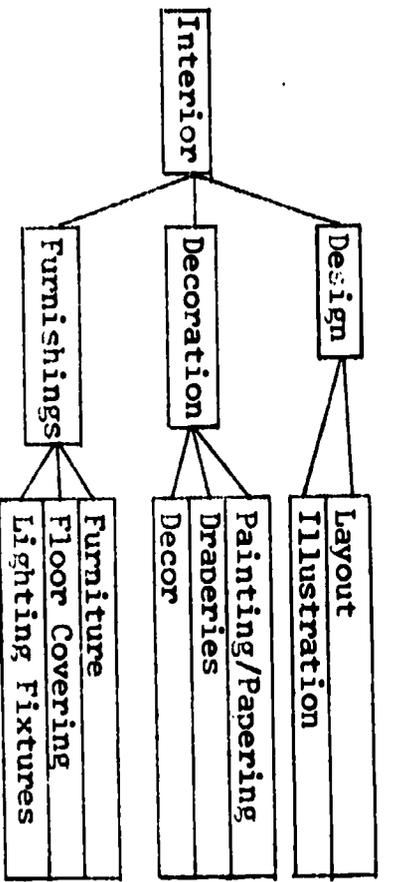


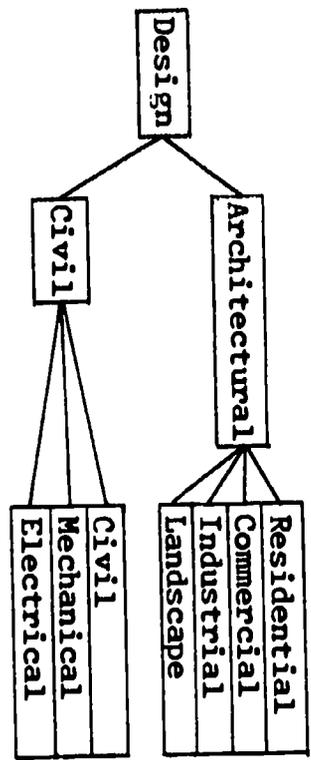


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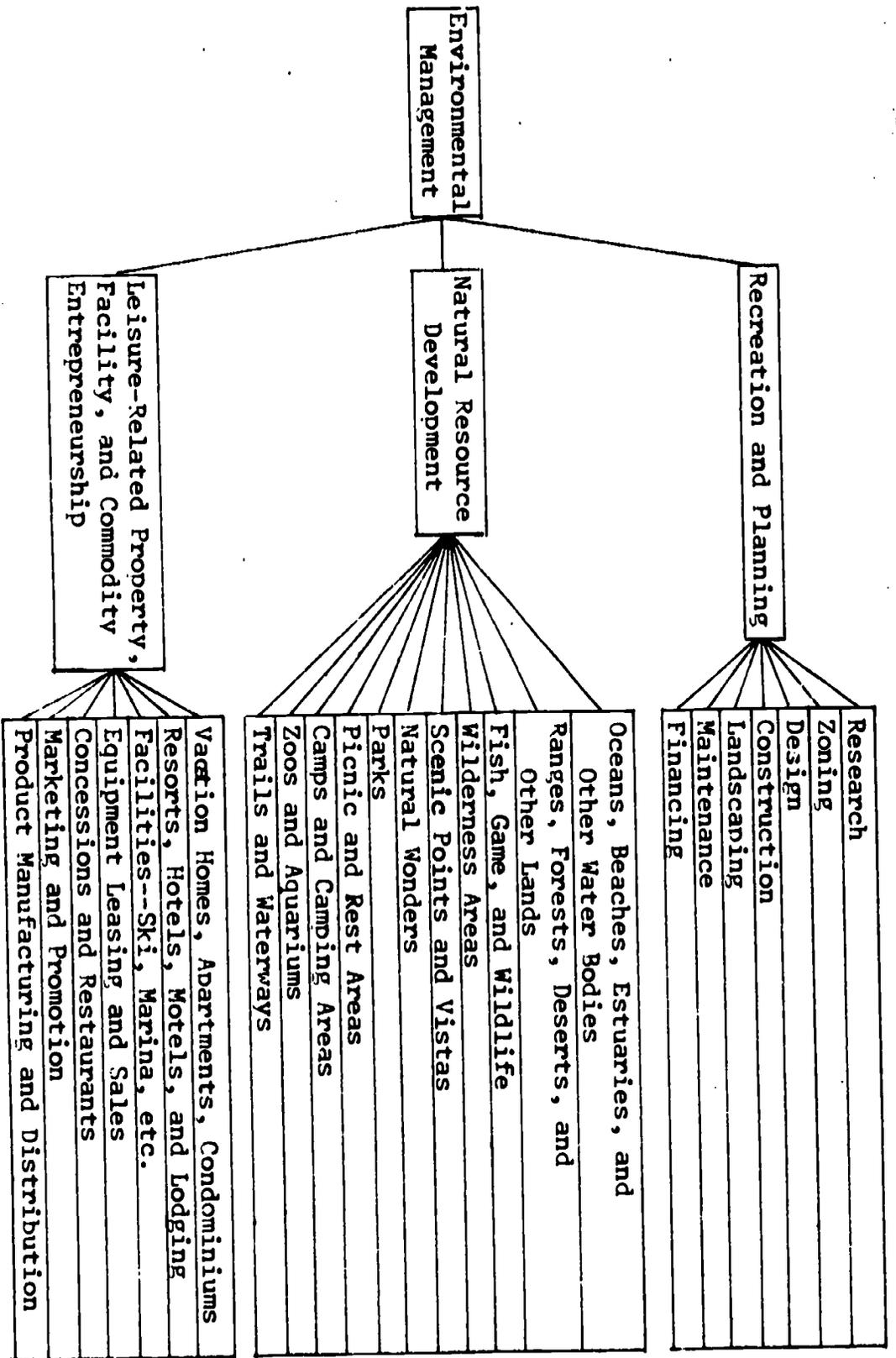


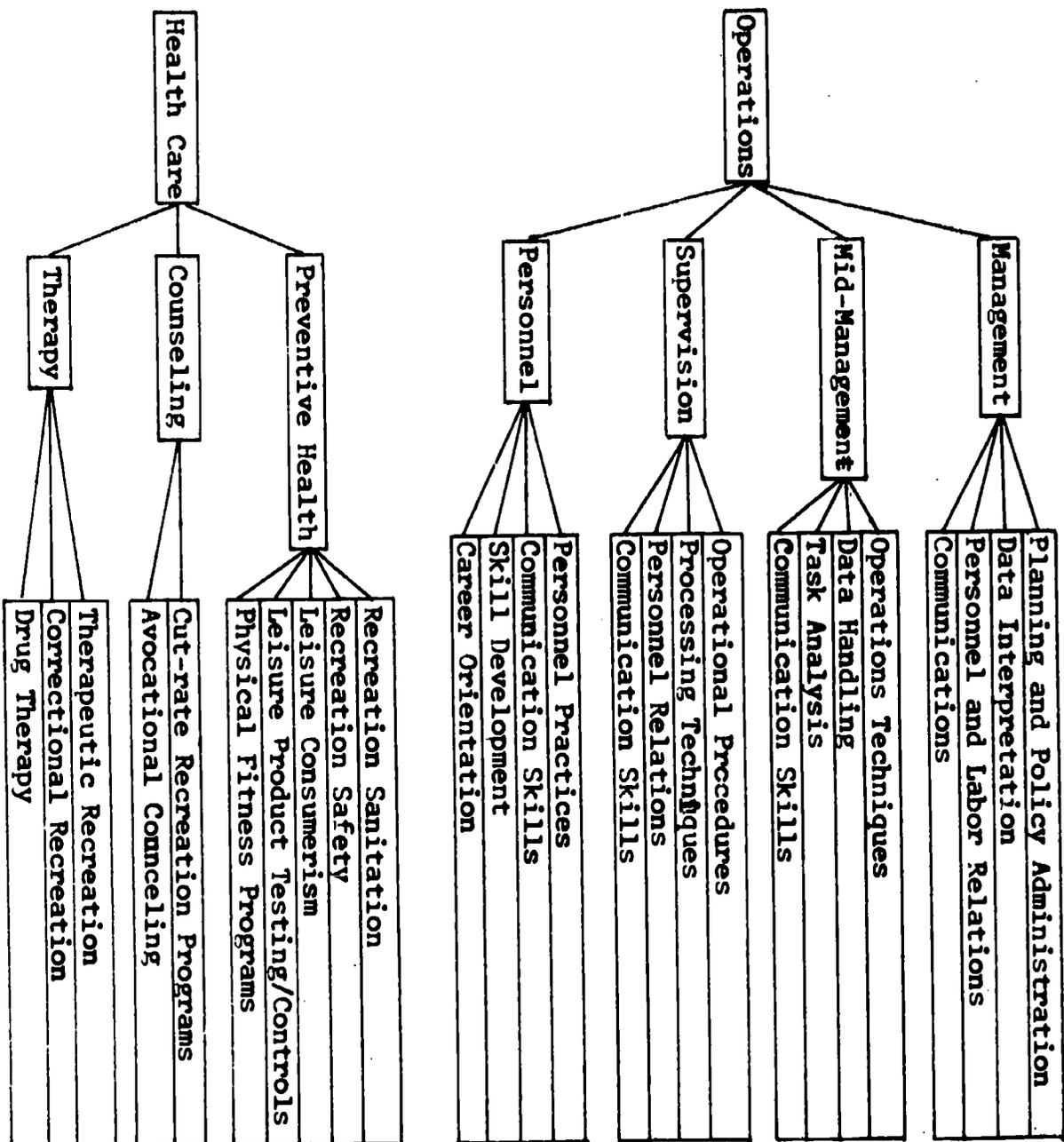
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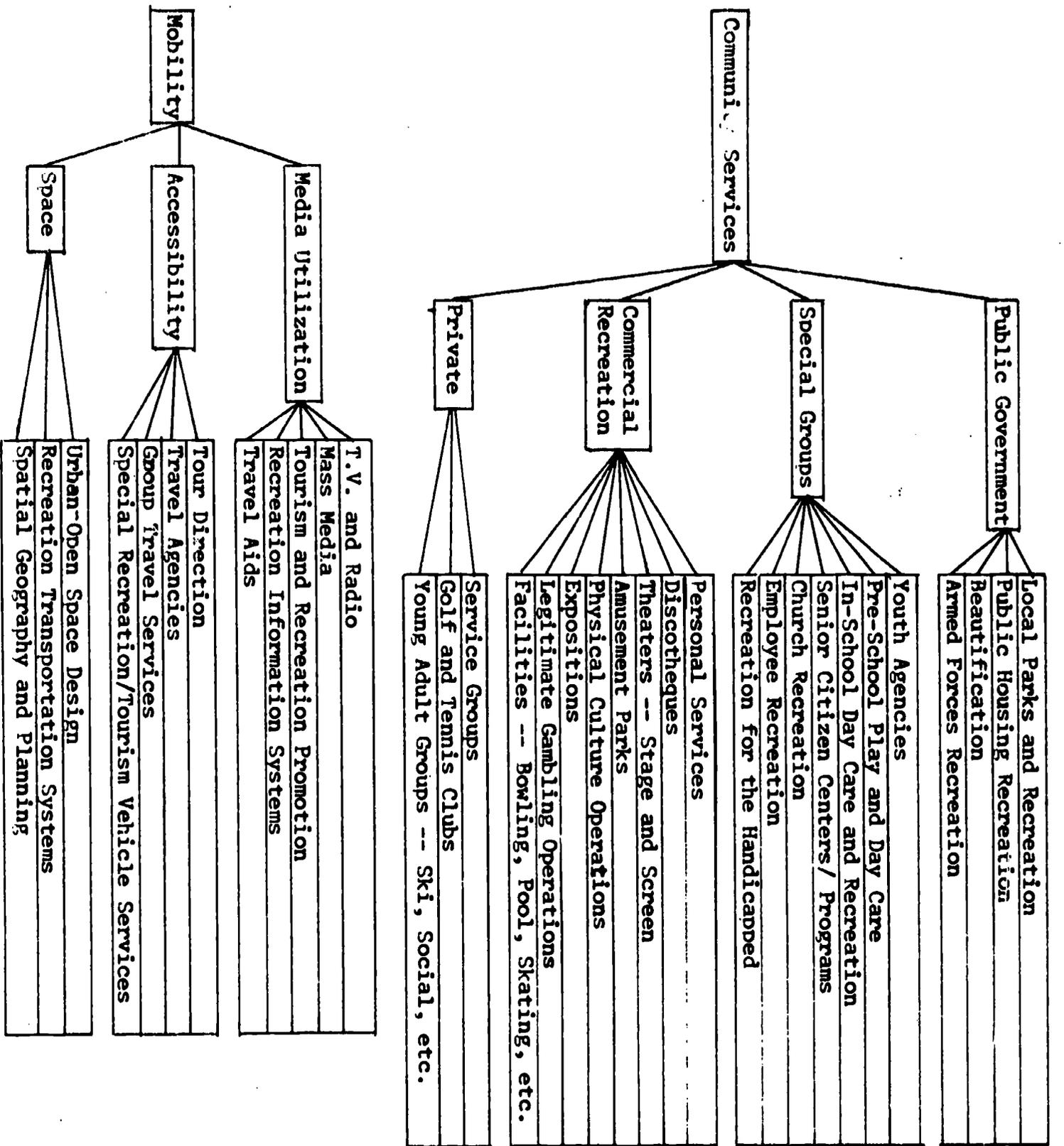




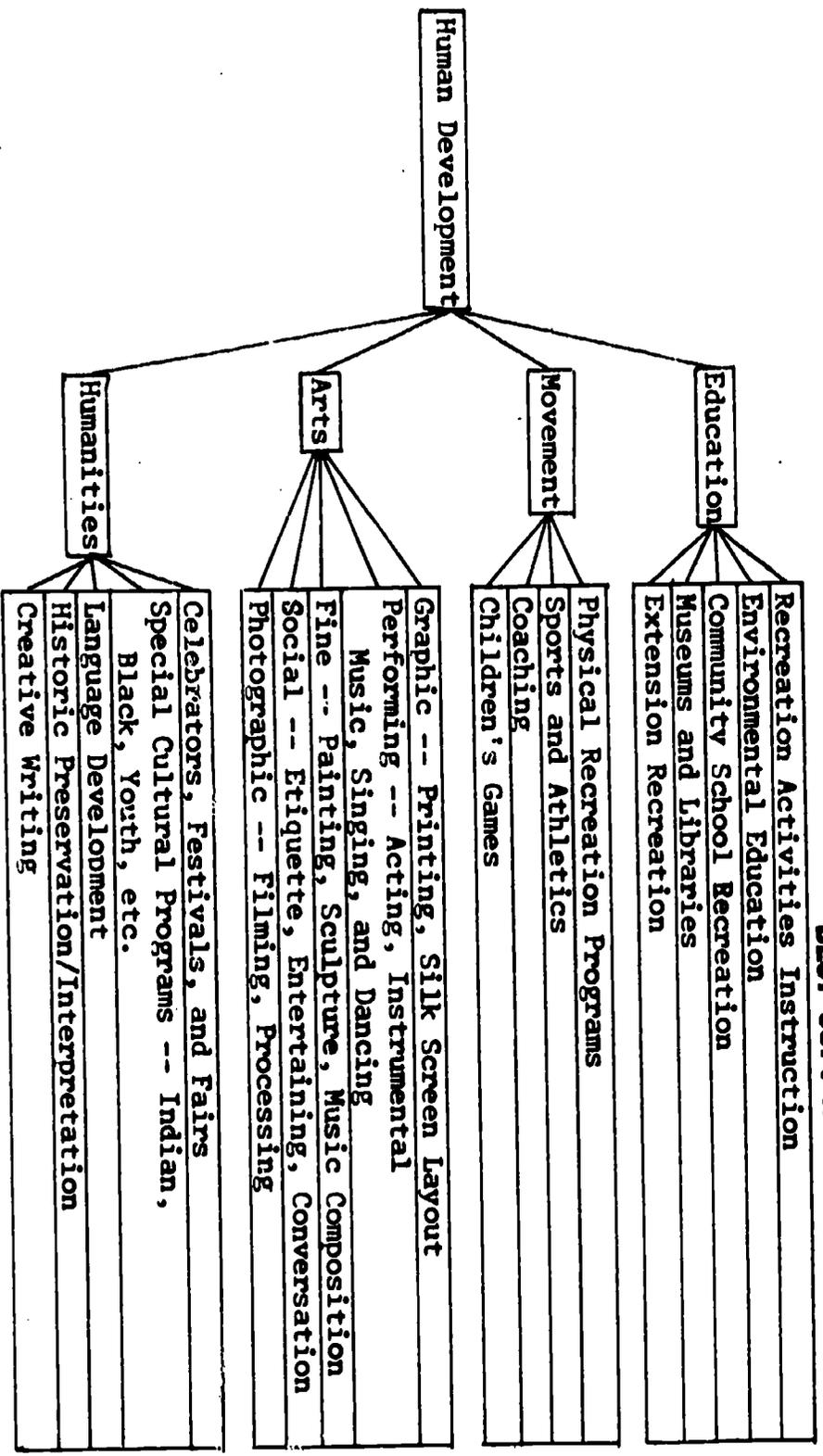
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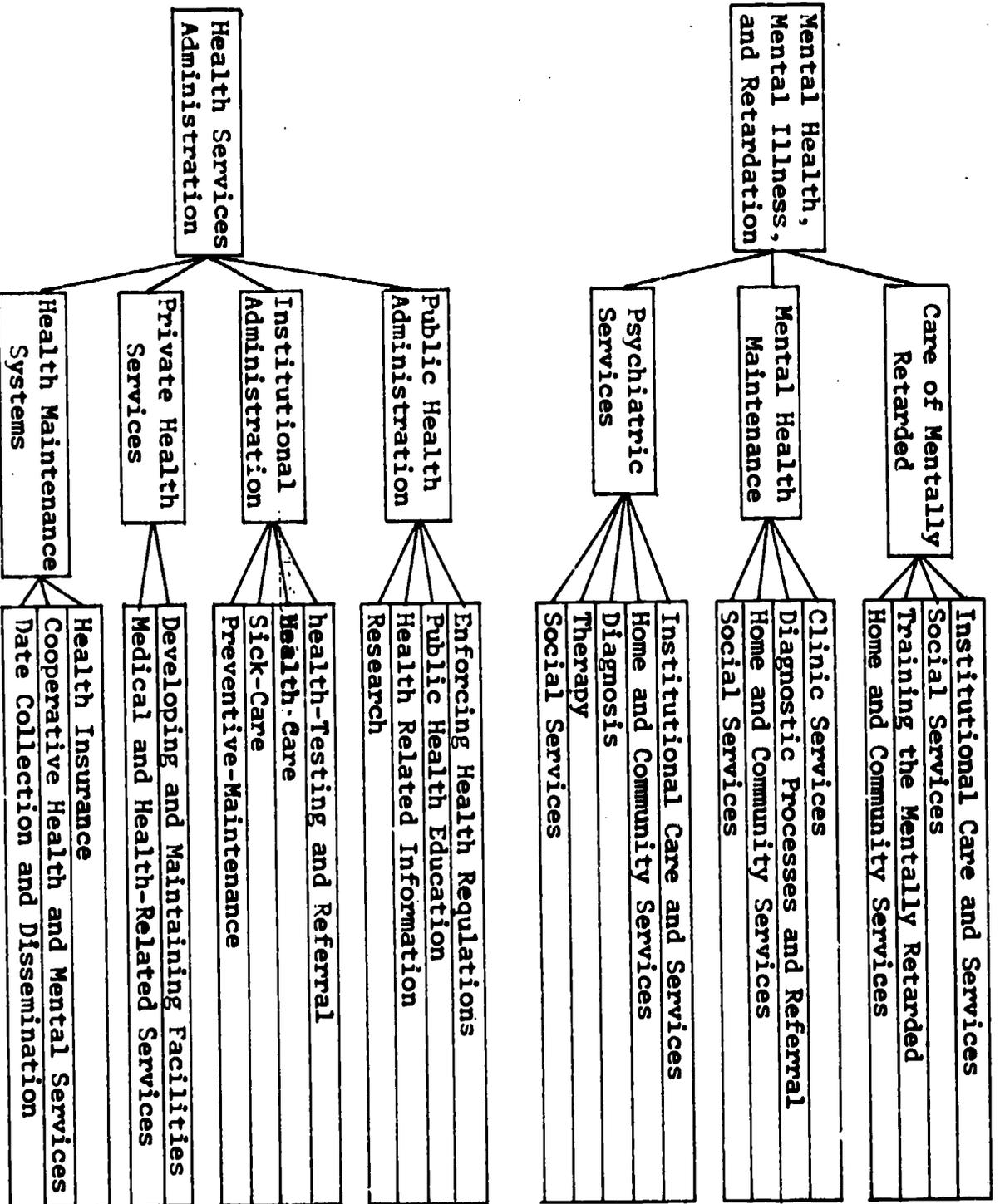


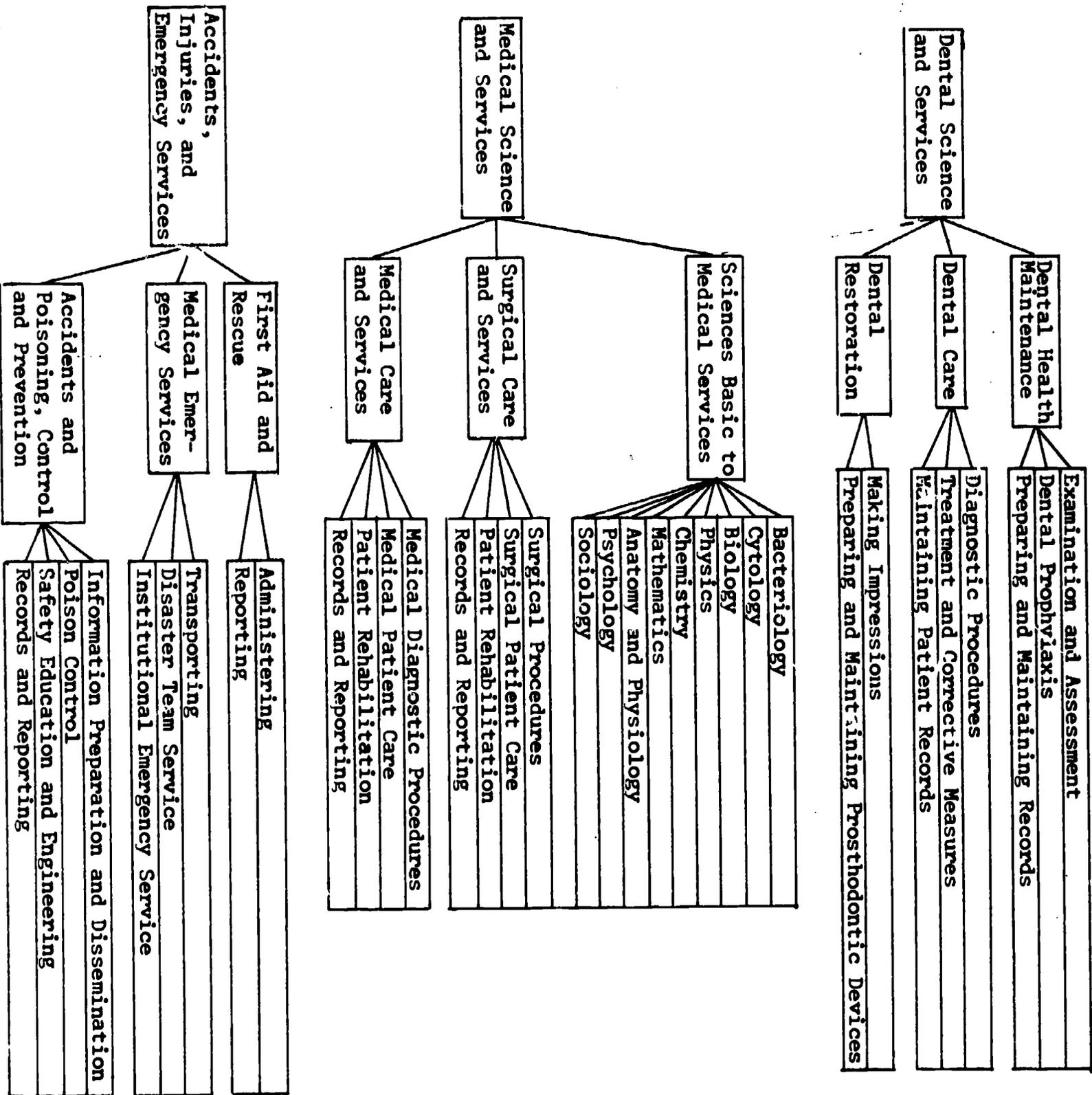


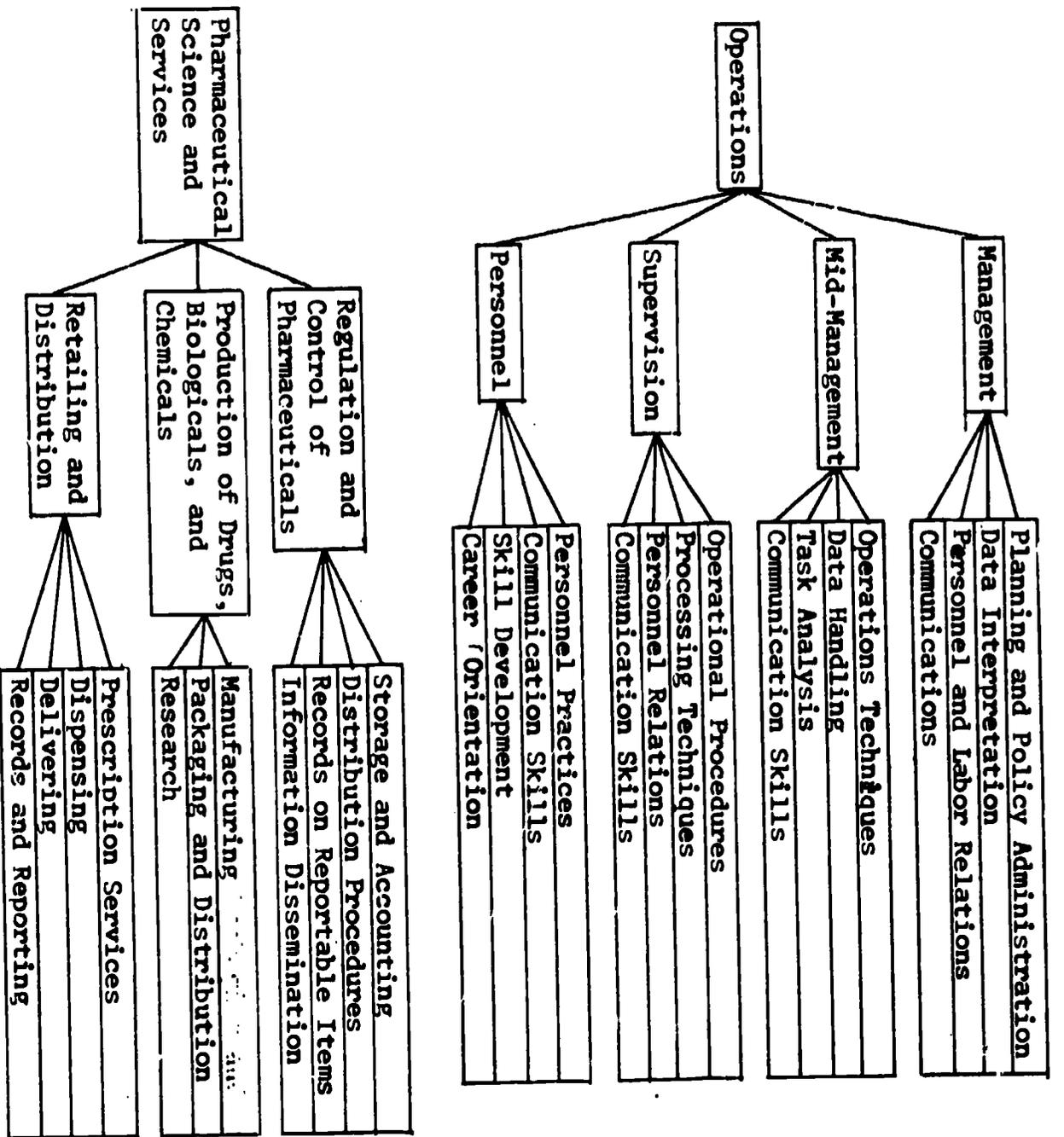
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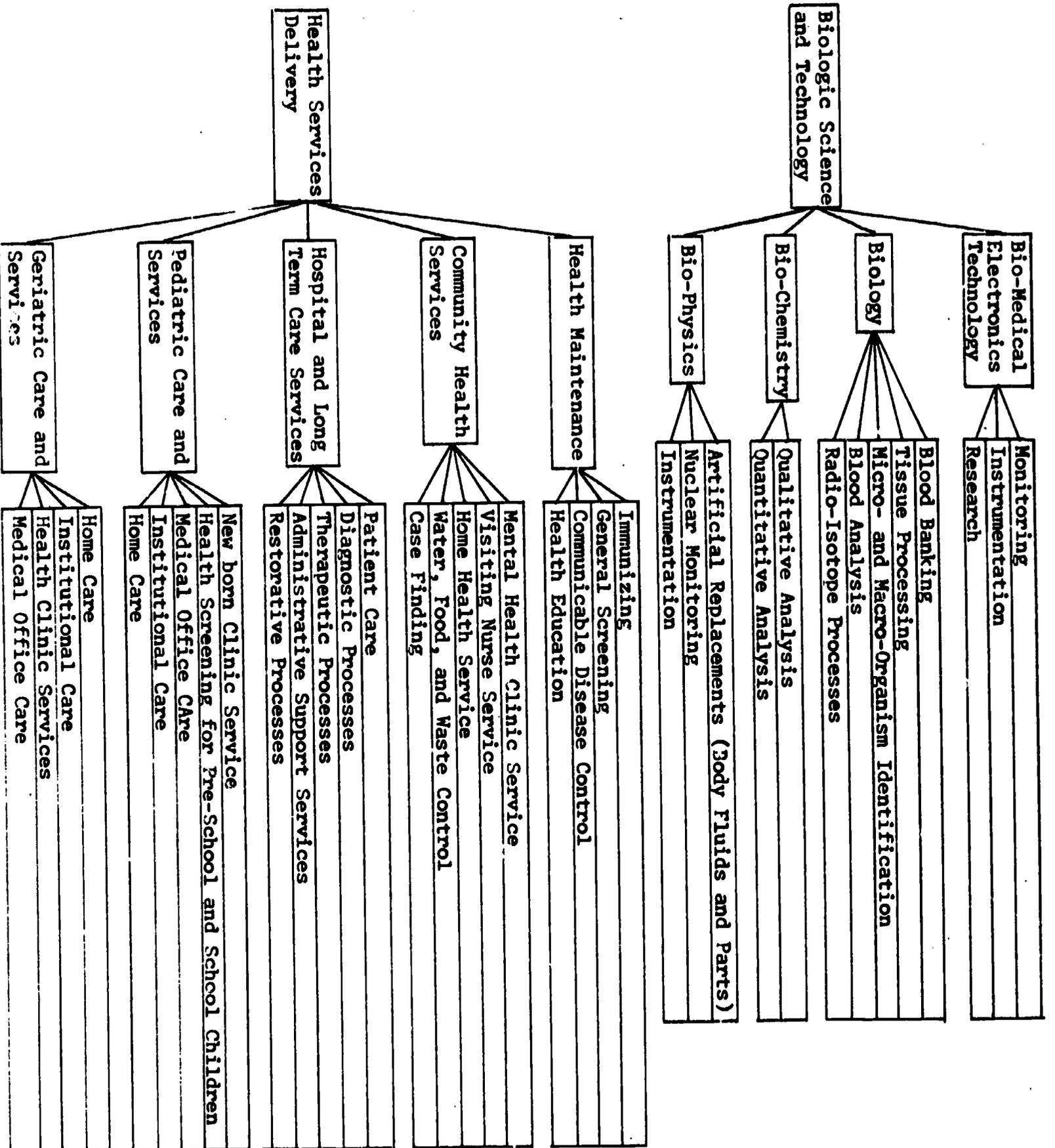


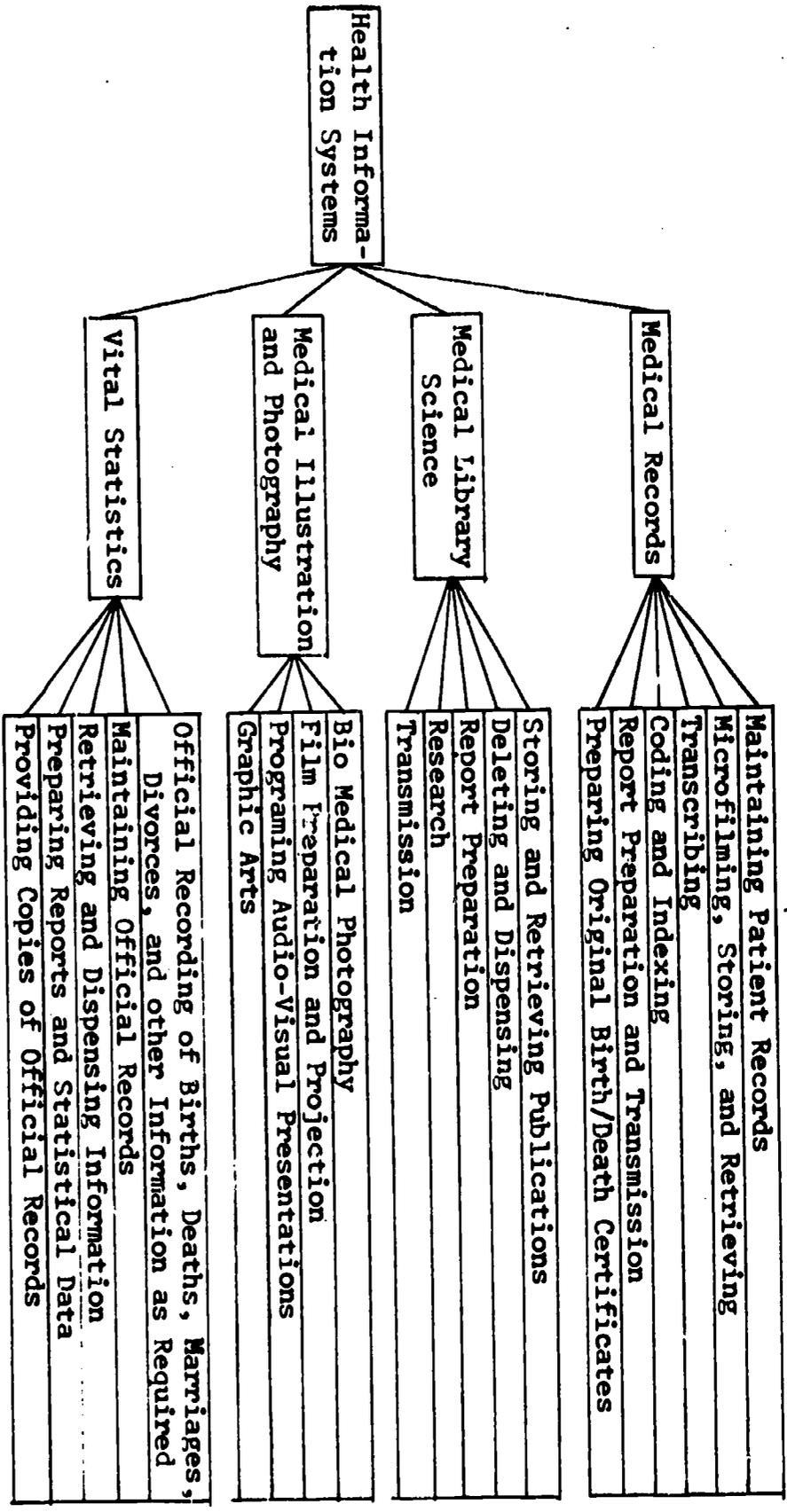
CLUSTER FOR HEALTH OCCUPATIONS











CLUSTER FOR MARINE SCIENCE OCCUPATIONS

Marine Transportation

(See Cluster for Transportation)

Marine Biology

Marine Ecology Research

- Marine Plant and Animal Relationship Studies
- Water Chemistry Effects on Marine Life
- Temperature Effects on Marine Life
- Affects of Light on Marine Life
- Effects of Commercial Fishing on Marine Life Systems
- Control of Marine Life Systems to Conserve Species

Underwater Construction and Salvage

Underwater Construction

- Construction Tender Vessel Operation
- Underwater Rigging
- Underwater Welding, Cutting, Fastening, and Assembly
- Underwater Anchoring, Stabilizing, Cabling, and Marking Systems
- Submarine Piping and Pumping Systems
- Underwater Repair and Maintenance

Underwater Salvage Demolition

- Salvage Ship Operation
- Salvage by Air Tank Flotation
- Salvage by Diving and Recovering
- Salvage Law and Regulation
- Underwater Demolition Device Design, Placement, and Deterioration

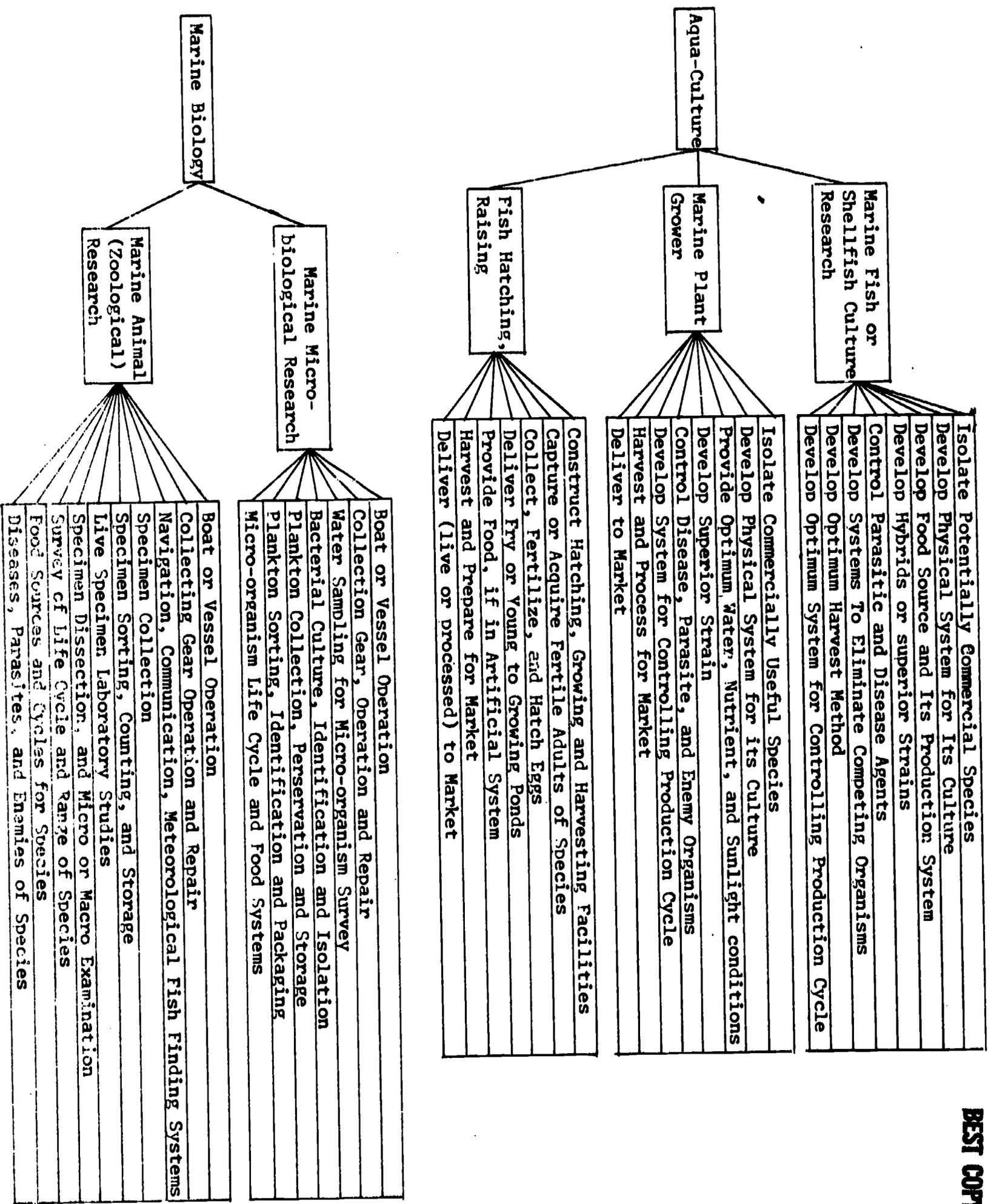
Commercial Fishing

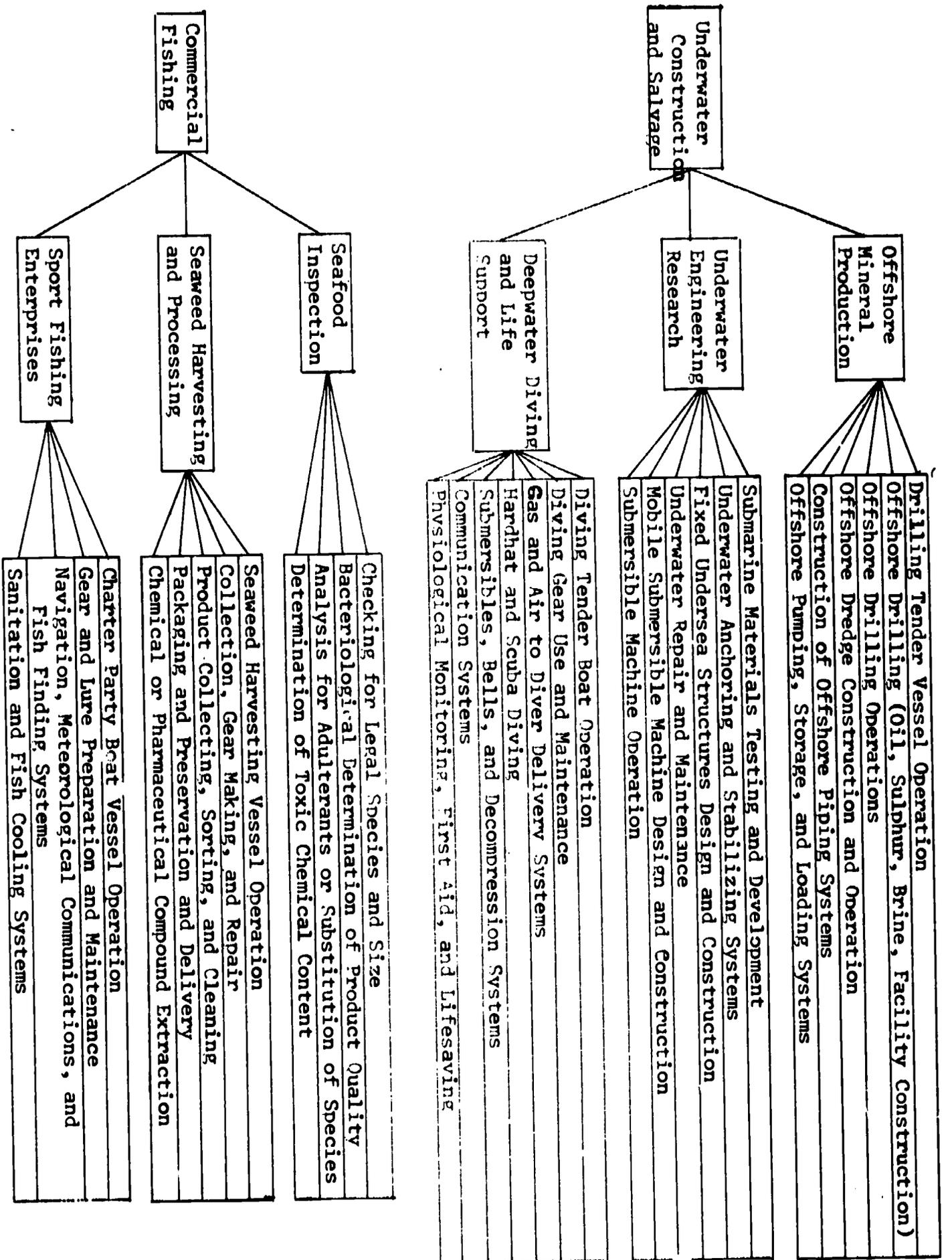
Ocean Fishing

- Cffshore Fishing Vessel Operation
- Trawler and Dragger Operation
- Inshore Fishing Operations
- Seine, Net, Trap, and Gear Making and Repair
- Meteorology, Navigation, Communication, and Fish Finding Systems
- Shipboard Product Sorting, Stowing, and Quality Control

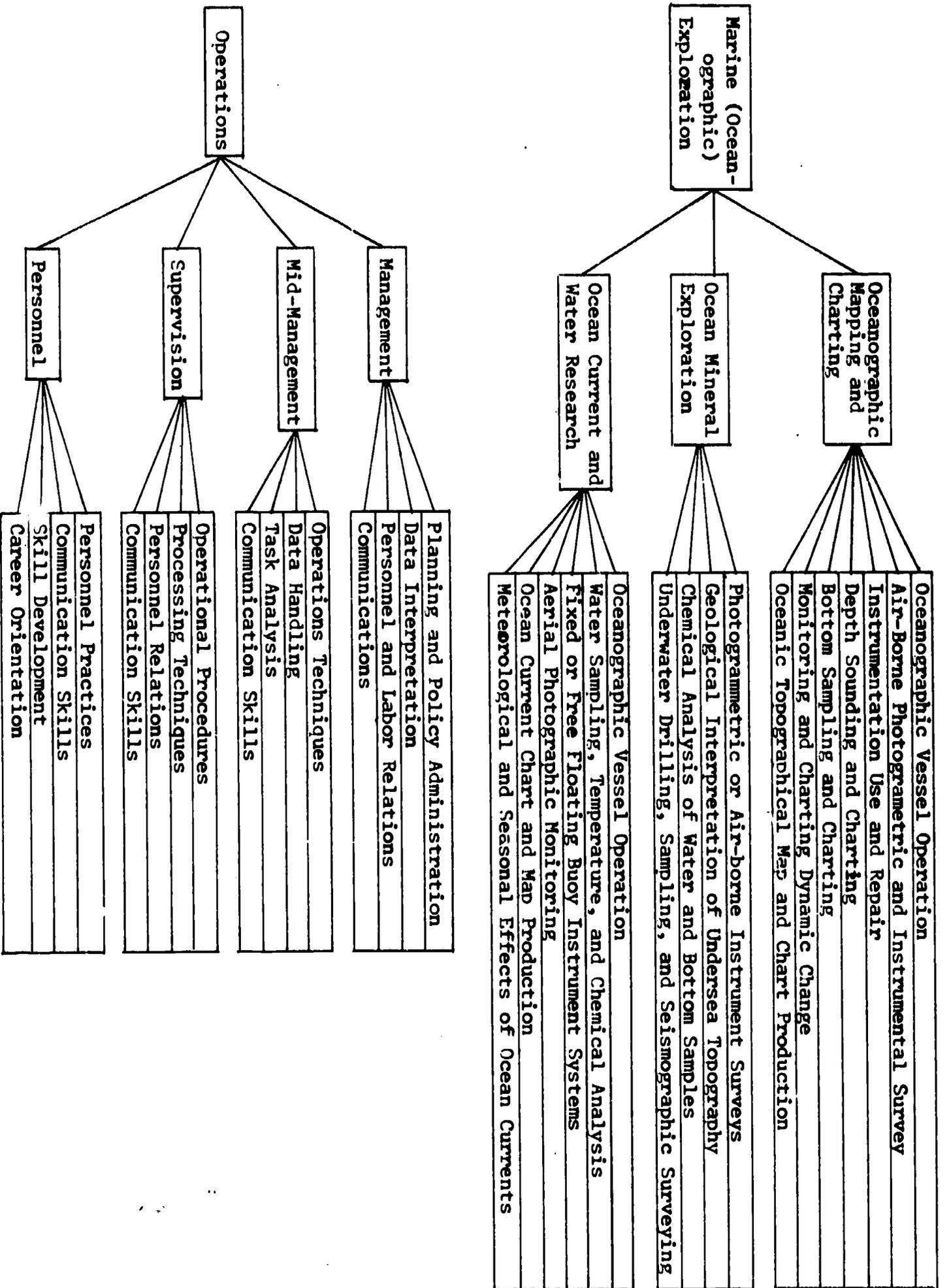
Seafood Processing

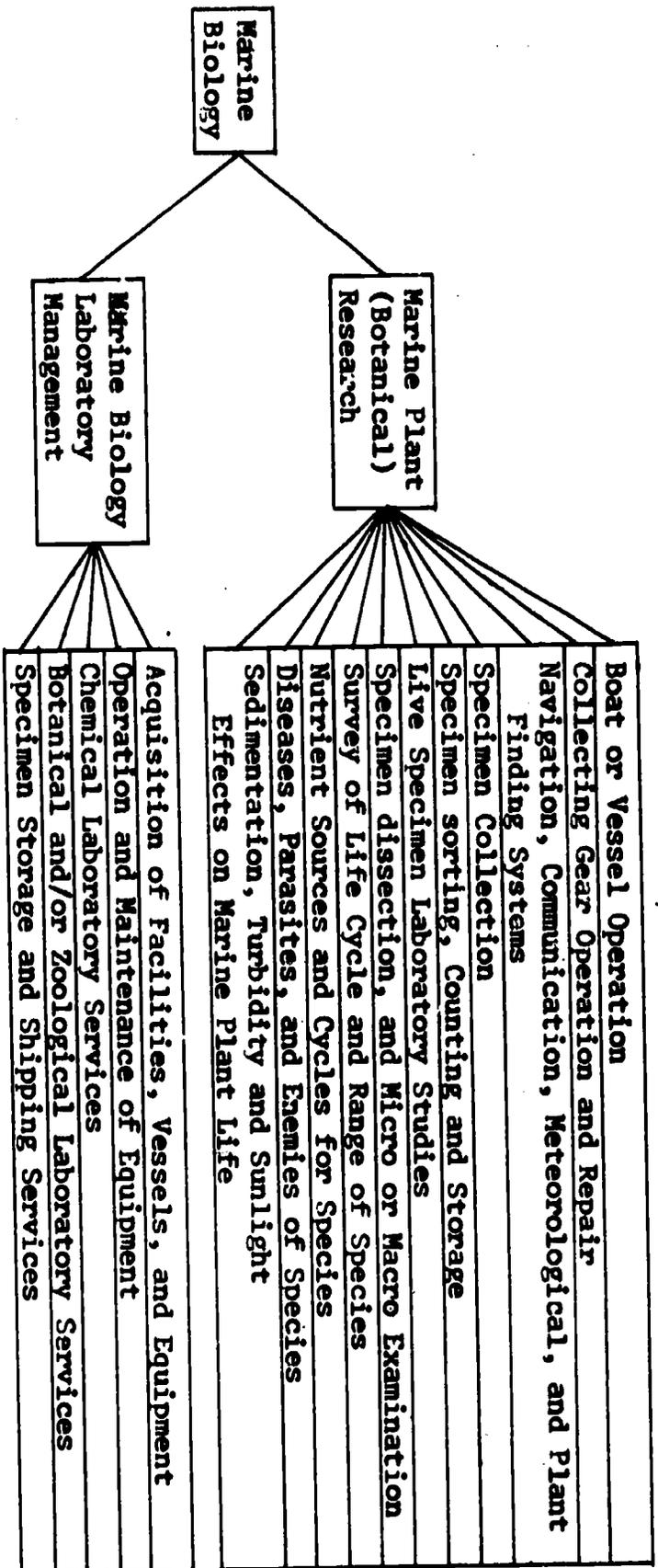
- Shipboard or on-shore Raw Fish Preparation
- Product Cooking
- Product Packaging
- Product Preservation (Canning, Freezing, Salting, Drying, Pickling, etc.)
- Product Marketing
- By-Products Production (Oil, Meat, Animal Food, Food, Fertilizer, or Shells)



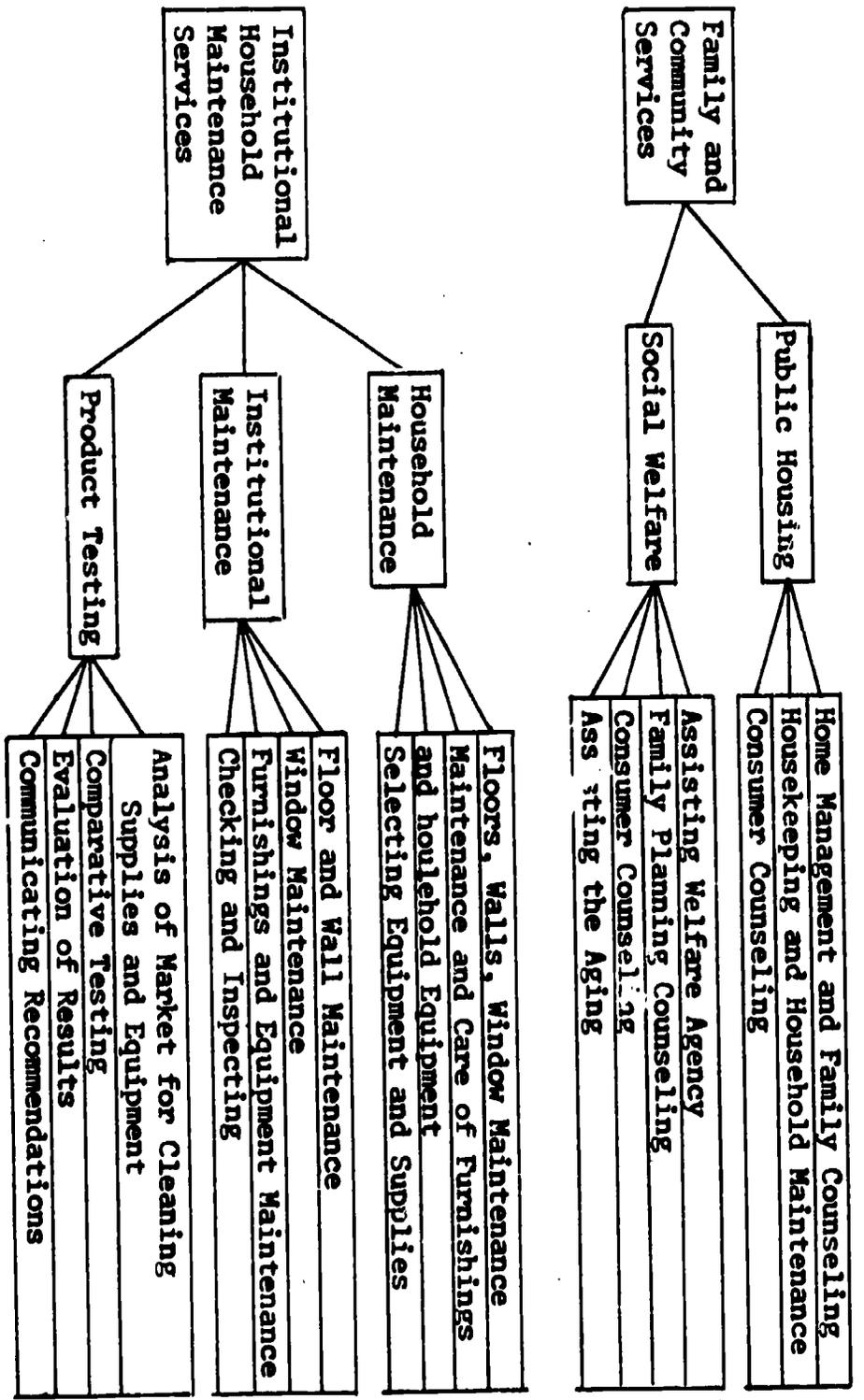


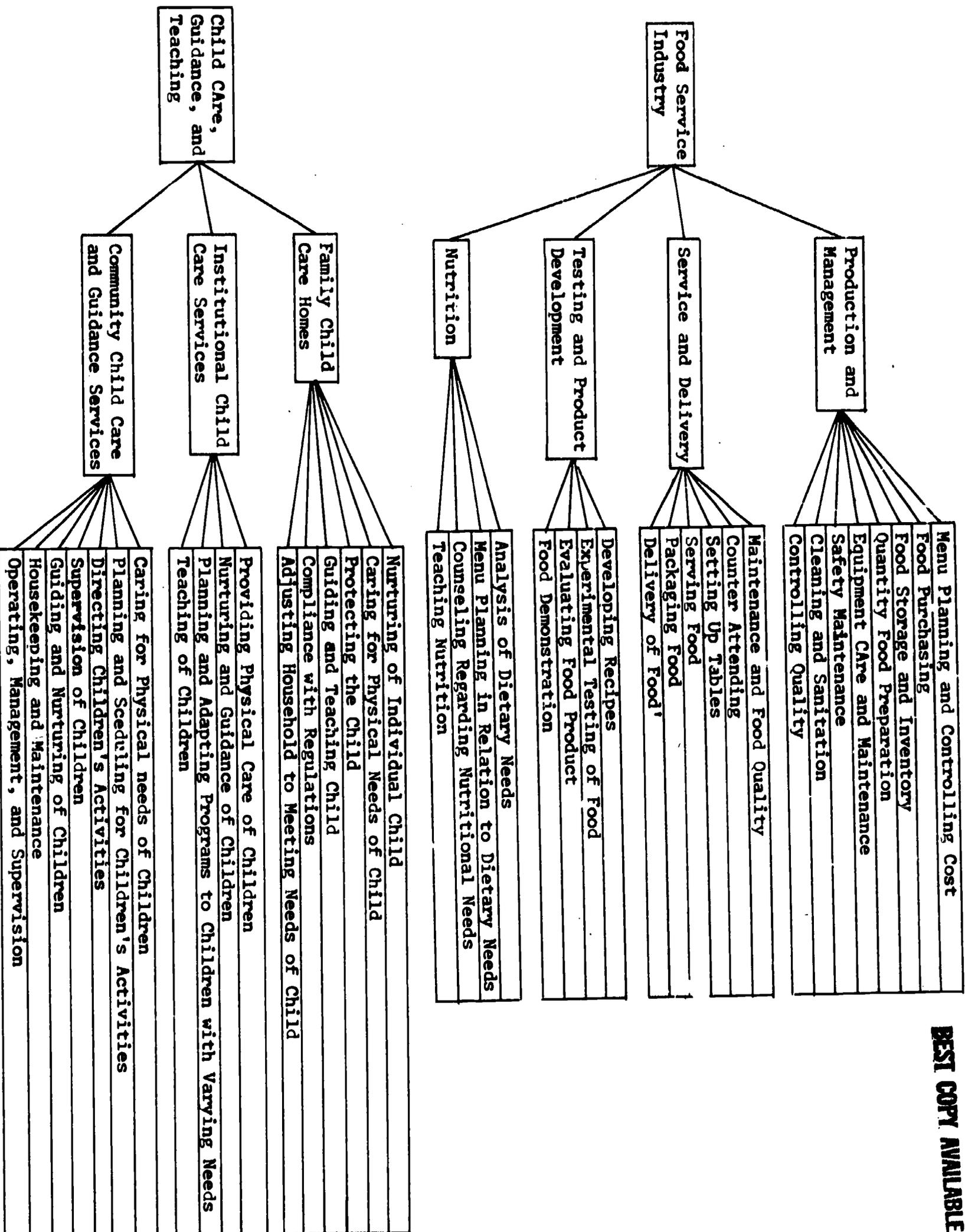
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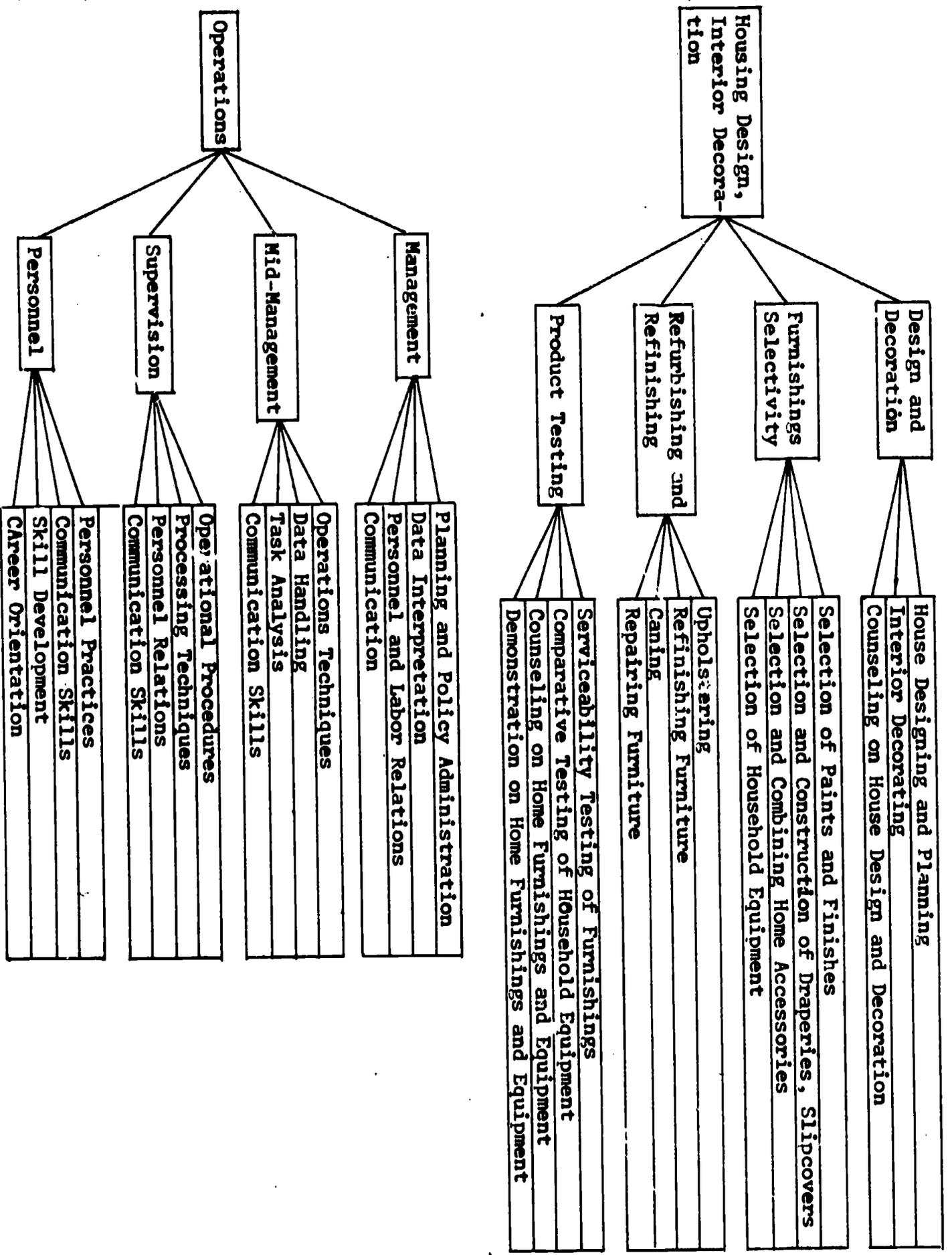


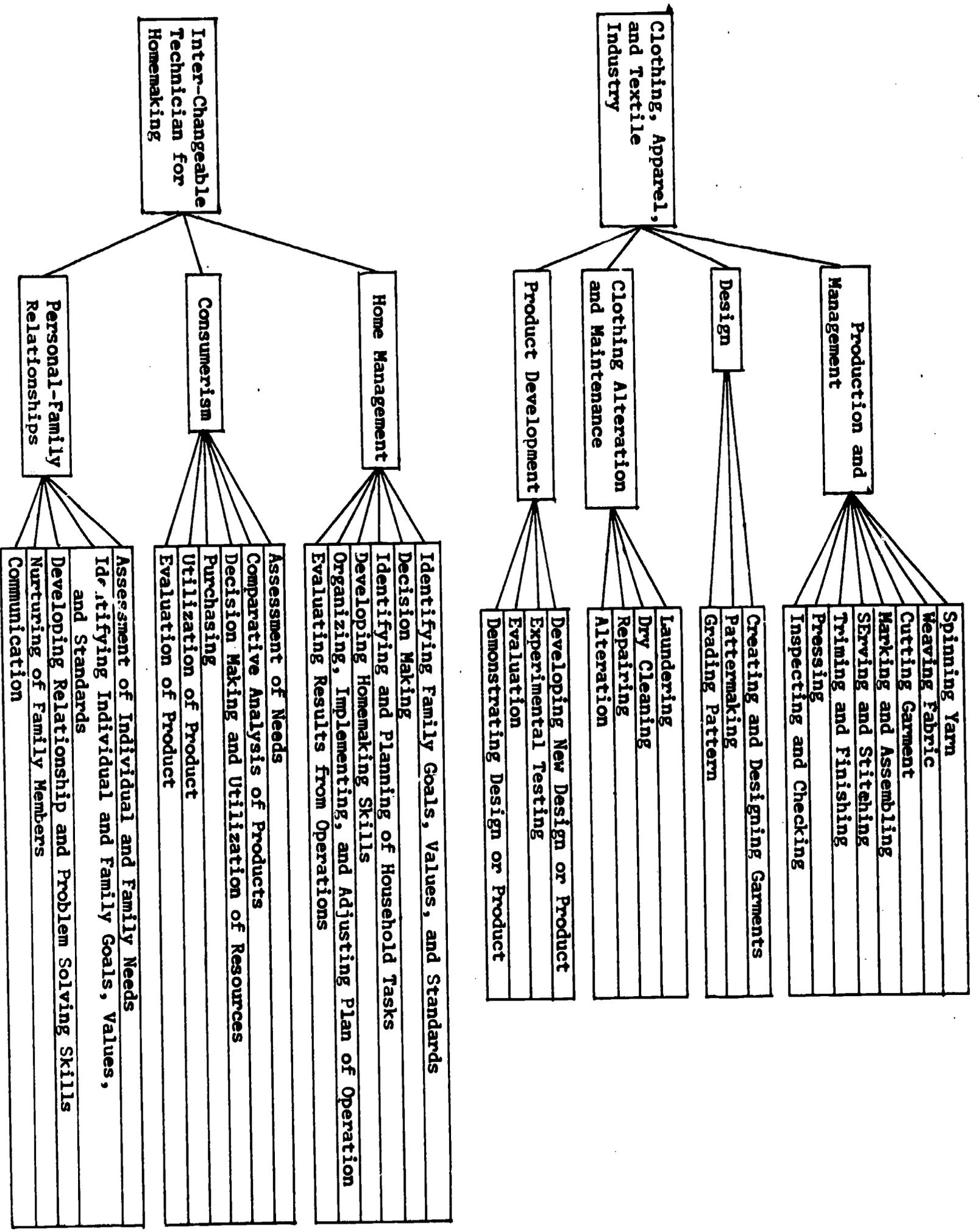


CLUSTER FOR
CONSUMER AND HOME MAINTENANCE RELATED OCCUPATIONS

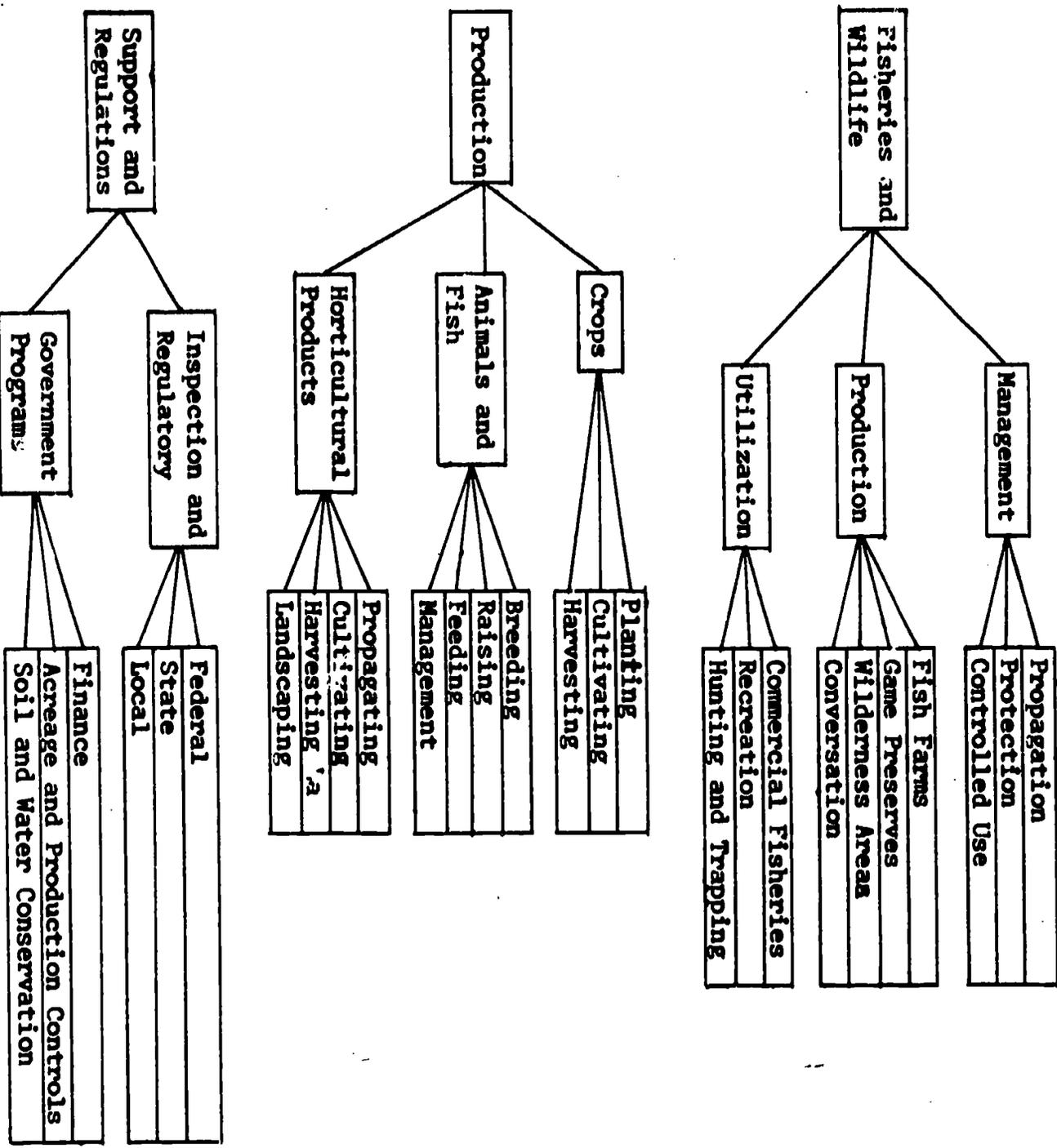


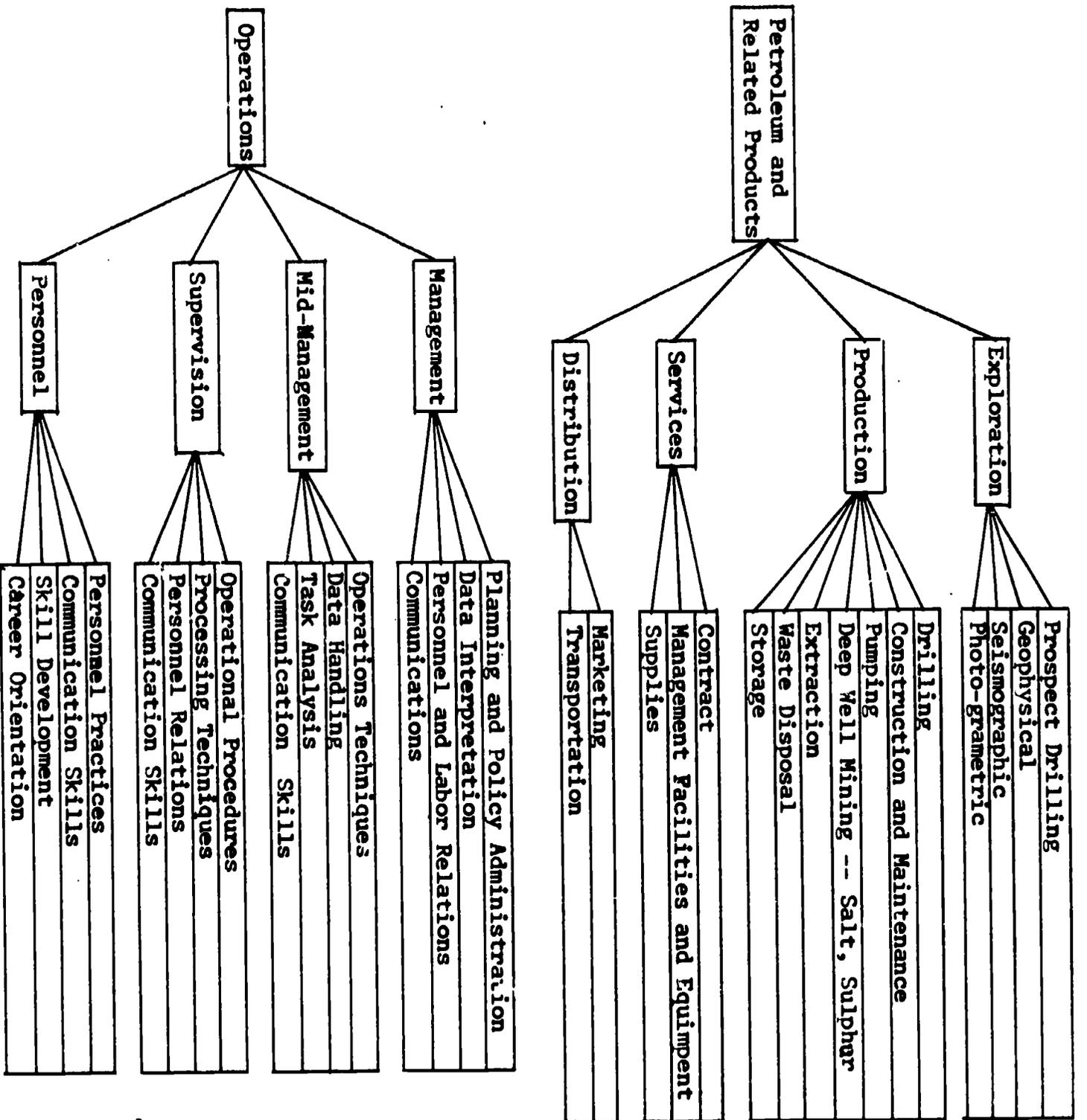


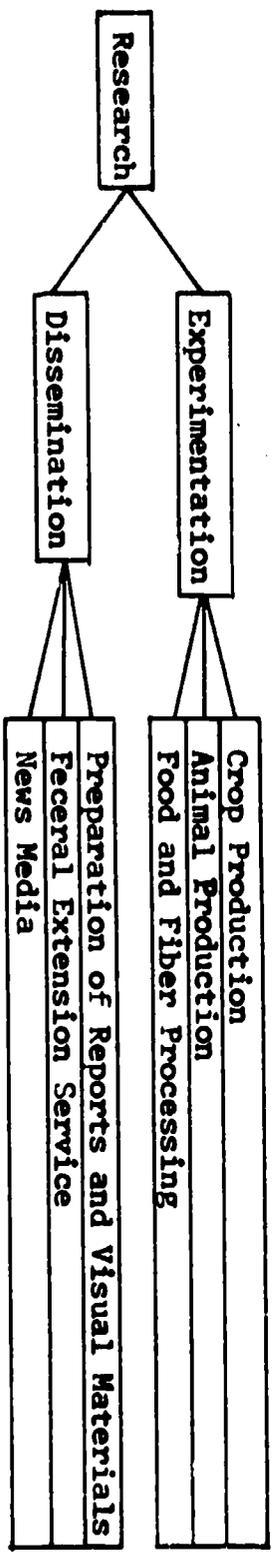
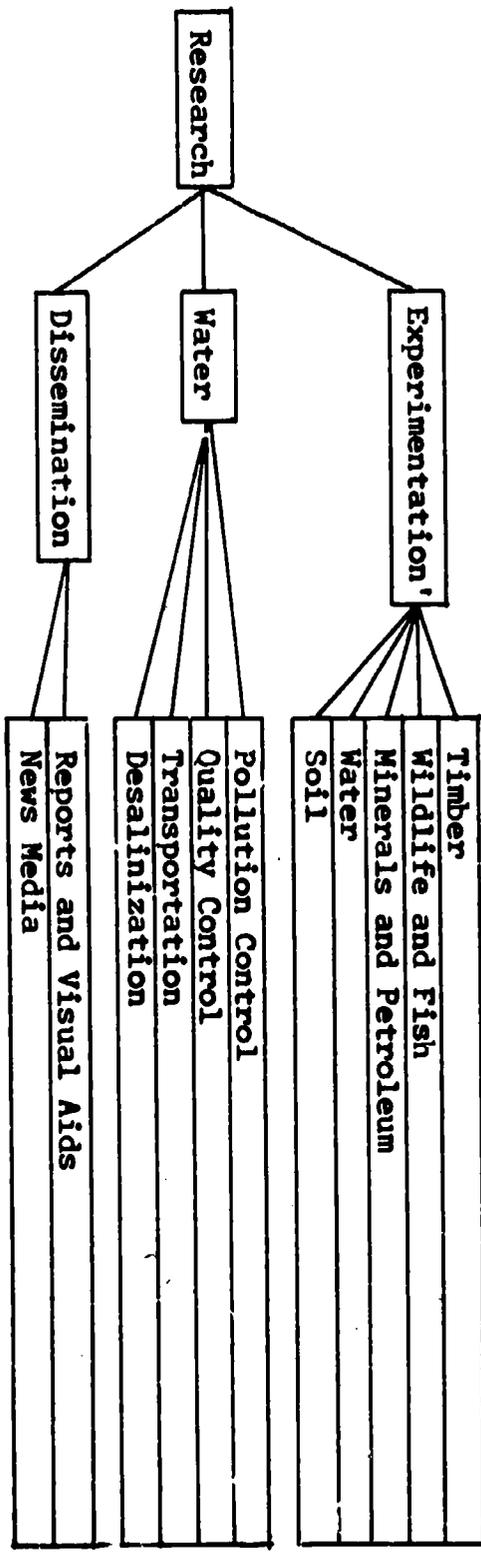
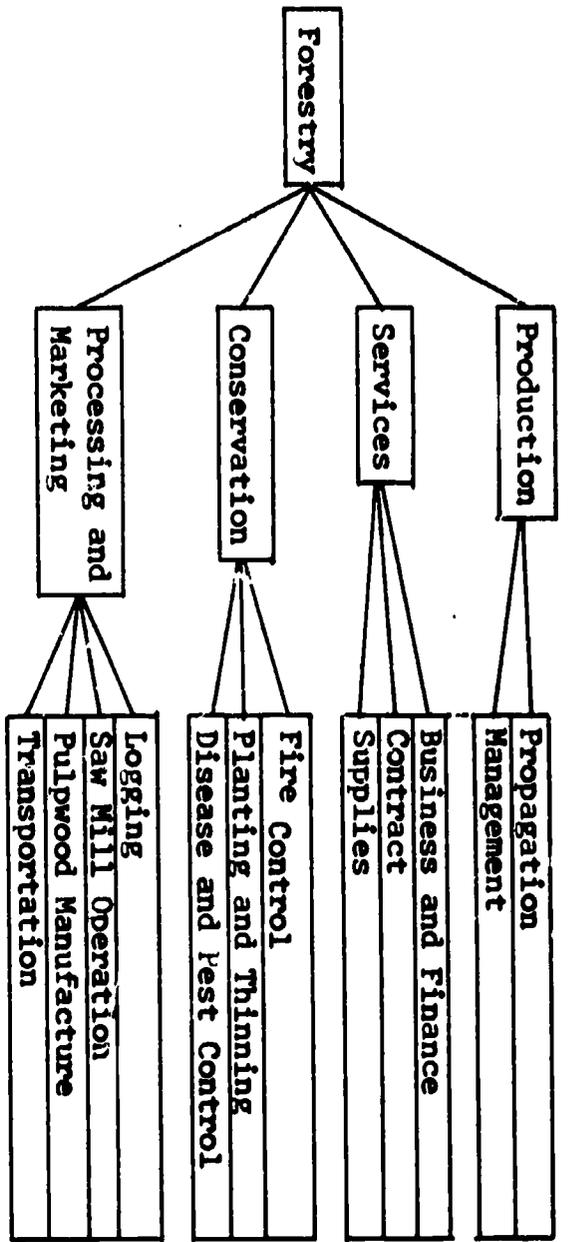


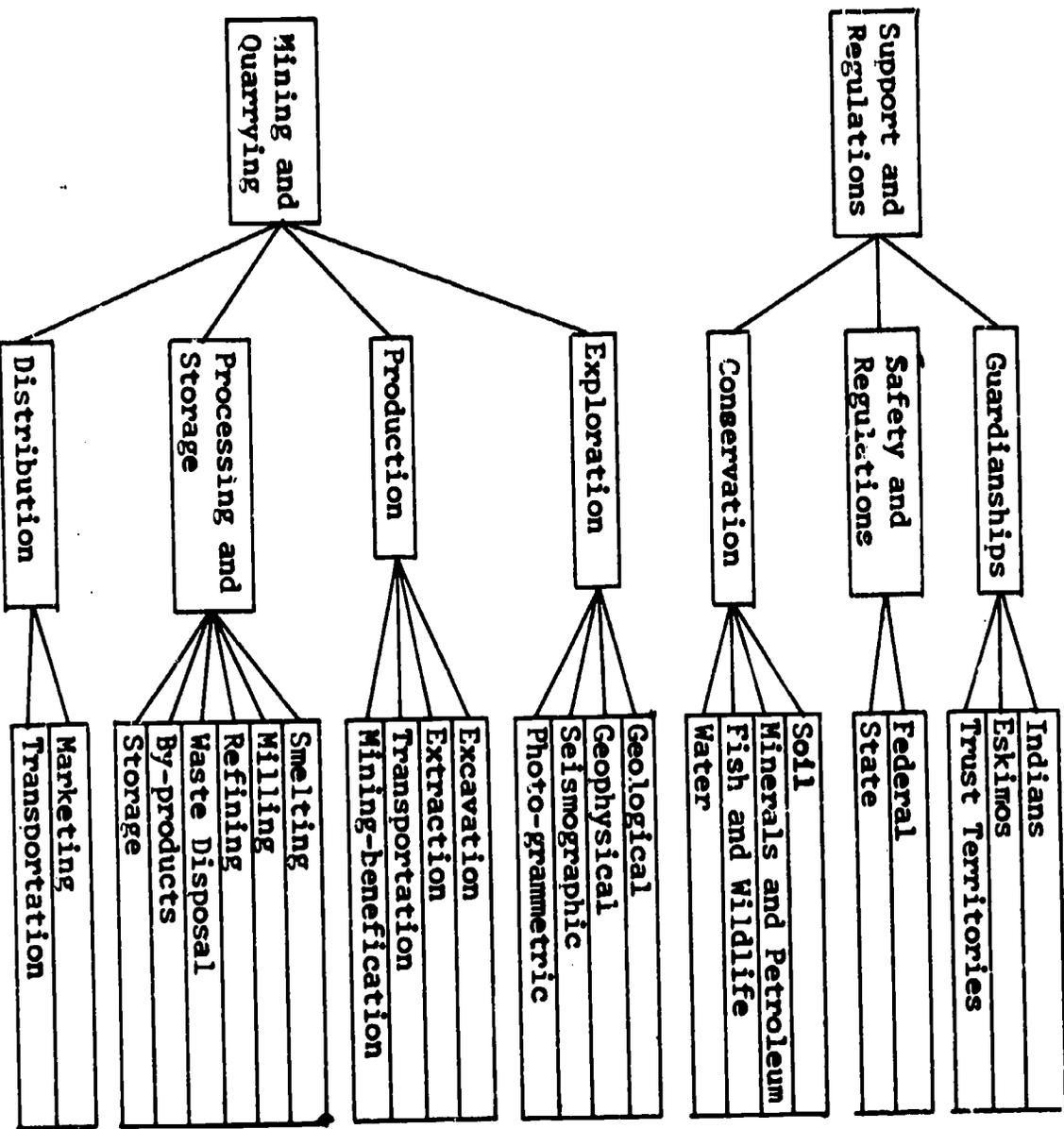
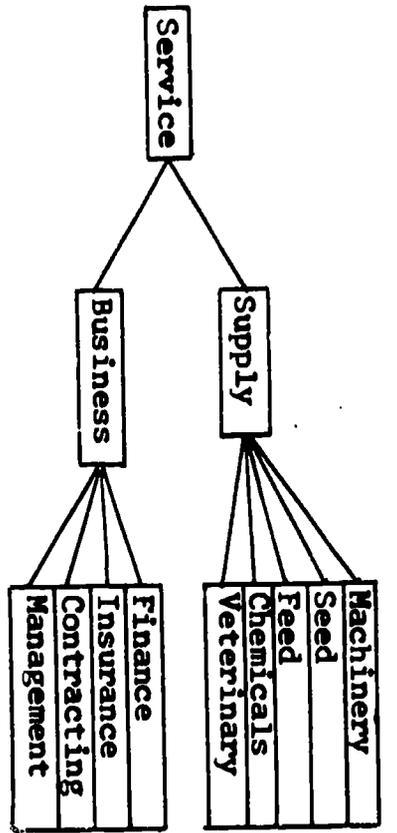


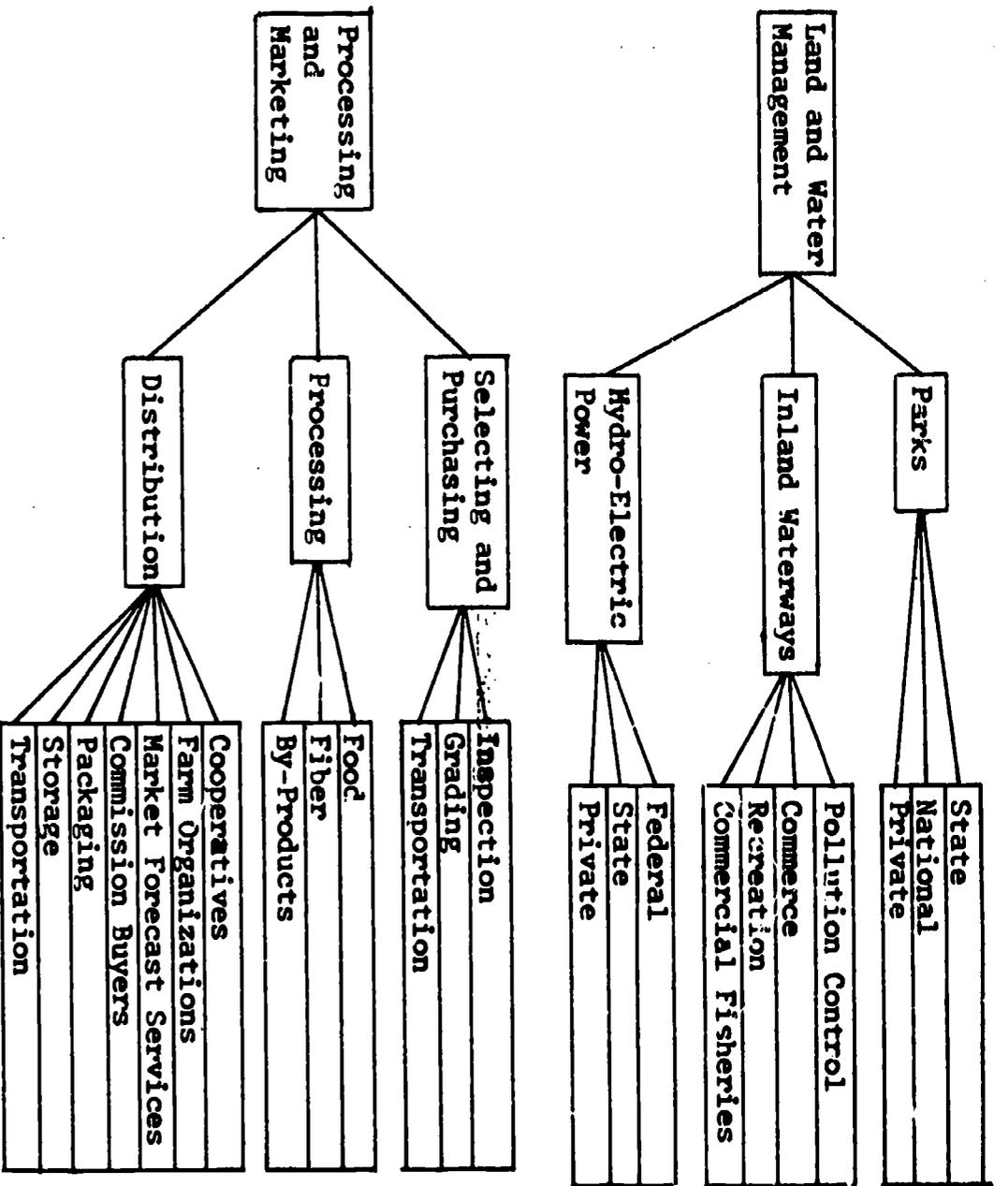
CLUSTER FOR
AGRI-BUSINESS AND NATURAL RESOURCES











CLUSTER FOR
ENVIRONMENT

Soil and Mineral Conservation and Control

Collection Data and Processing

- Monitoring and Recording
- Sample Collection
- Water Analysis

Utilization Control

- Pollution Regulation Enforcement
- Mine and Dump Restoration Regulation control
- Monitoring and Enforcement of Mineral Production Quotas

Research and Experimentation

- Instrumental Meteorological Data Collection
- Meteorological and Watershed Survey and Monitoring
- Water Table-Land Cover Relationships Survey and Analysis
- Water Desalination
- Underground Waterflow Systems Discovery and Charting
- Water Purification Systems Development

Water Resources Development, Conservation and Control

Water Pollution Abatement and control

- Treatment Plant Construction and Operations
- Watershed and Reservoir Systems Development and Operation
- Chemical Analysis and Monitoring
- Chemical and Thermal Pollution Prevention
- Bacteriological Analysis and Monitoring
- Industrial Pollution Detection and Monitoring
- Anti-Pollution Education

Civil Technology Processes

- Distribution and Collection Systems Development
- Water and Wastewater Treatment Systems Development
- Watershed Survey and Mapping
- Drainage Systems and Development
- Irrigation, Reservoir, Canals and Waterways Development

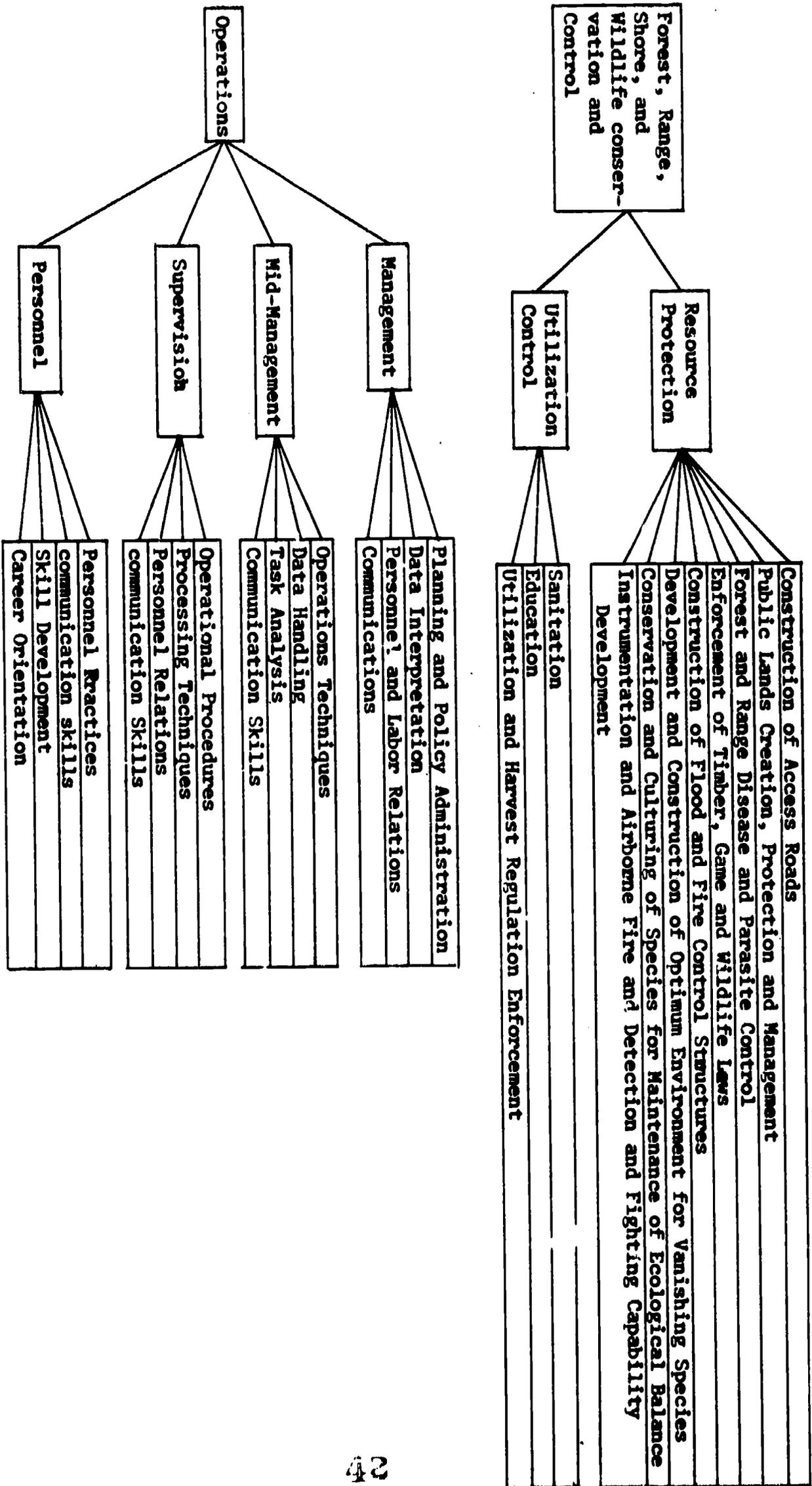
Water Resource Development, Conservation and Control

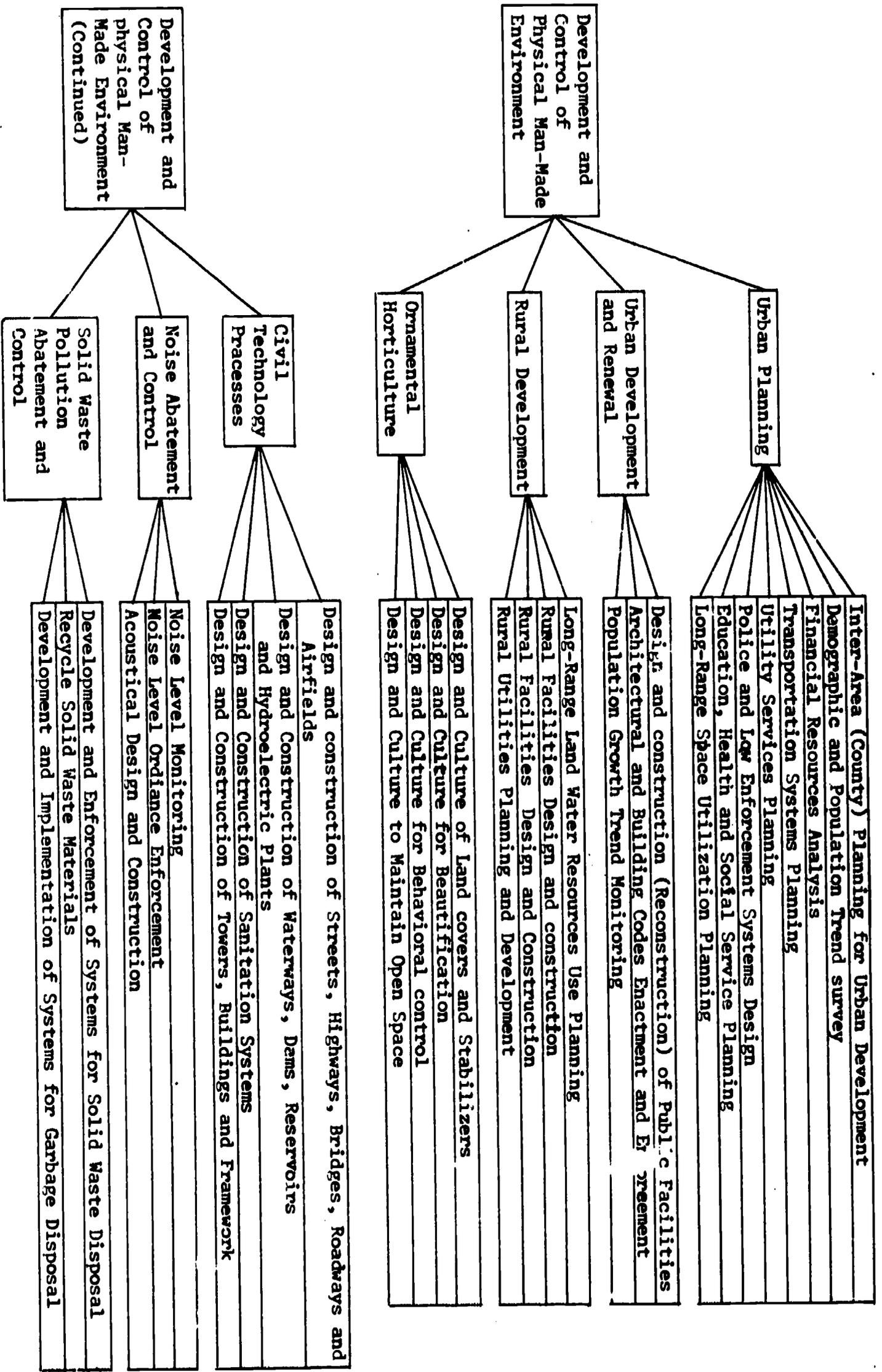
Recreation Development and Management

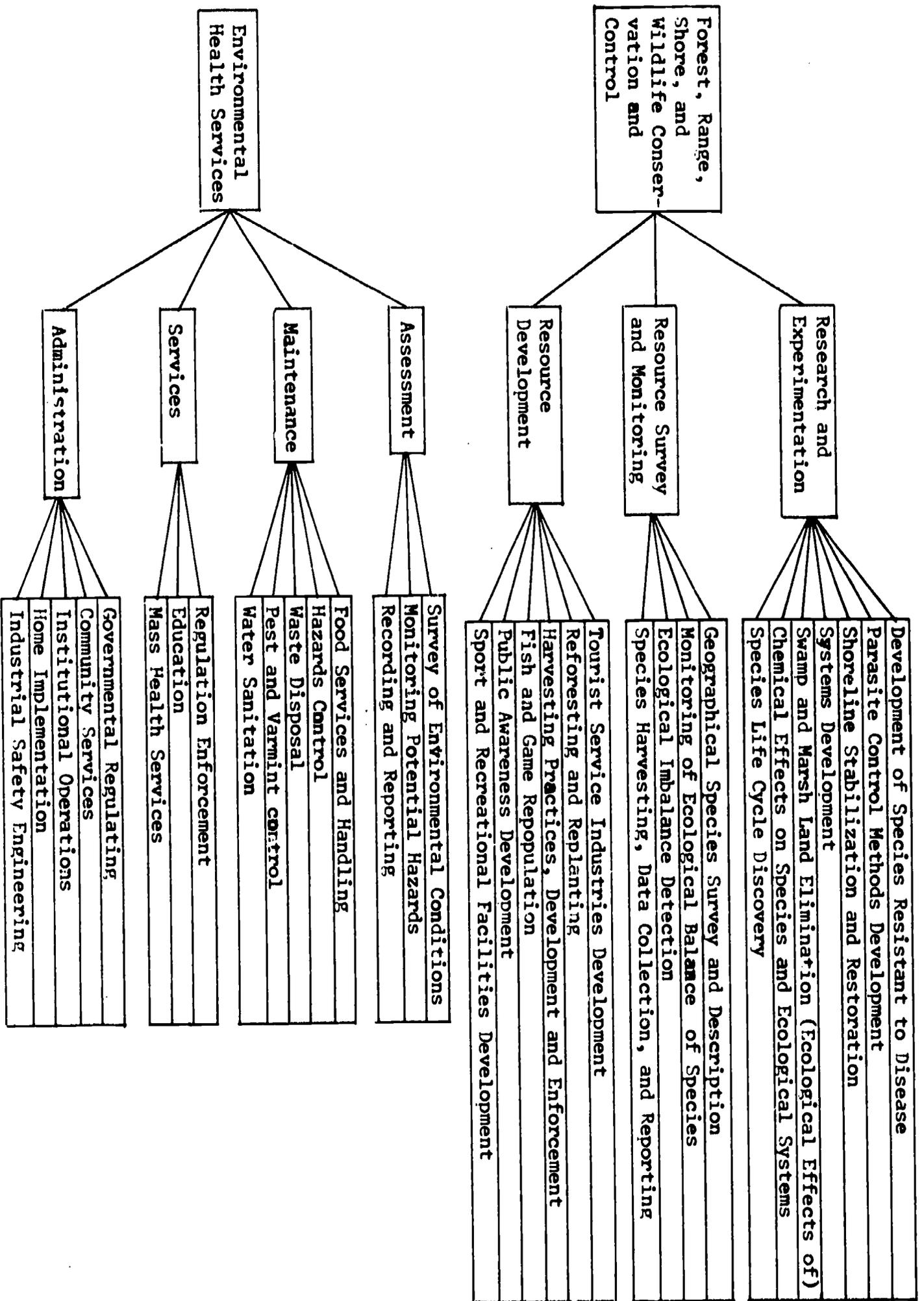
- Game and Fish Propagation, Harvesting and Control
- Camps, Parks, and Docking Facility Development
- Marine Management and Use Regulation
- Boat Inspection and Use Regulation
- Park Operation and Management

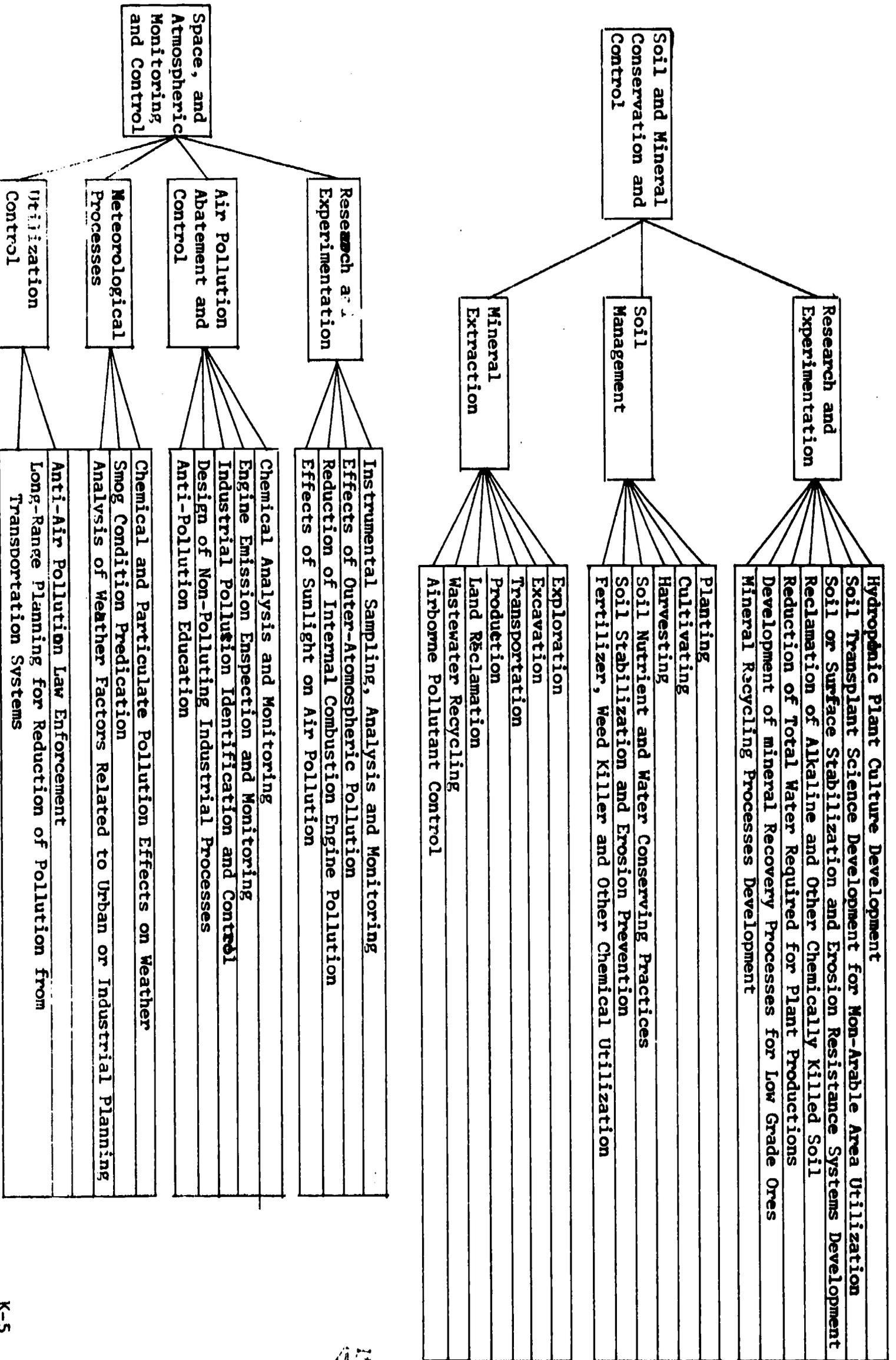
Utilization Control

- Water (Riparian) Rights Laws
- Regional Watershed Agreements
- Pollution control Regulations and Enforcement
- Legislative Prohibition of Use of Non-Biodegradable Chemicals

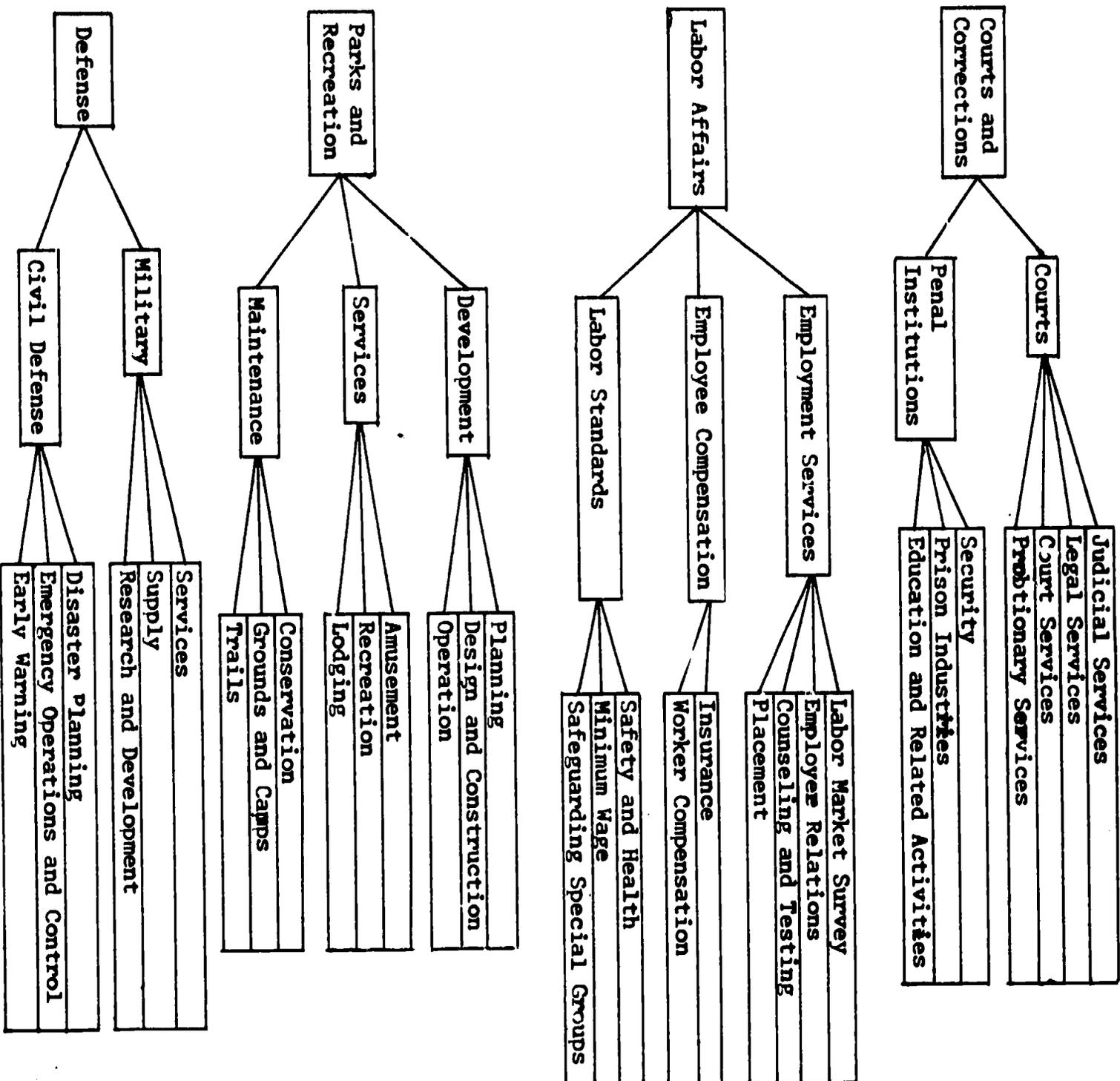


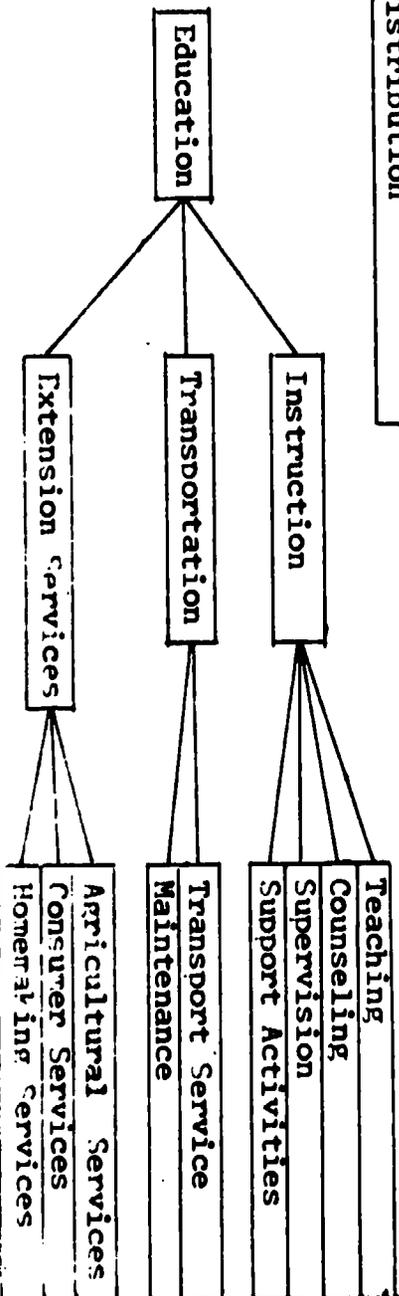
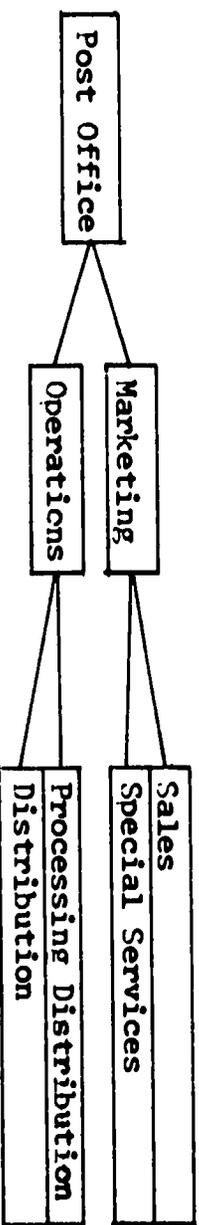
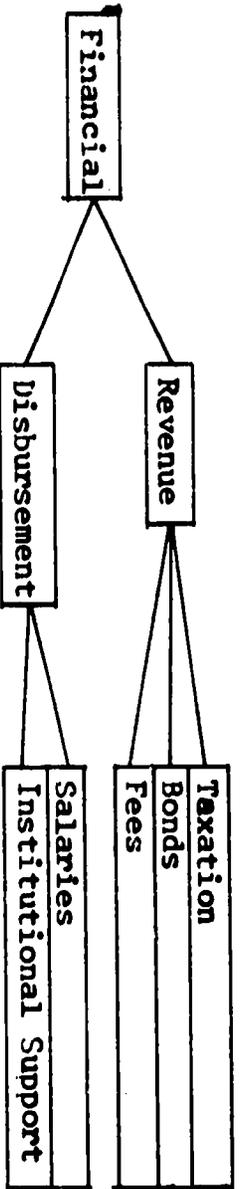
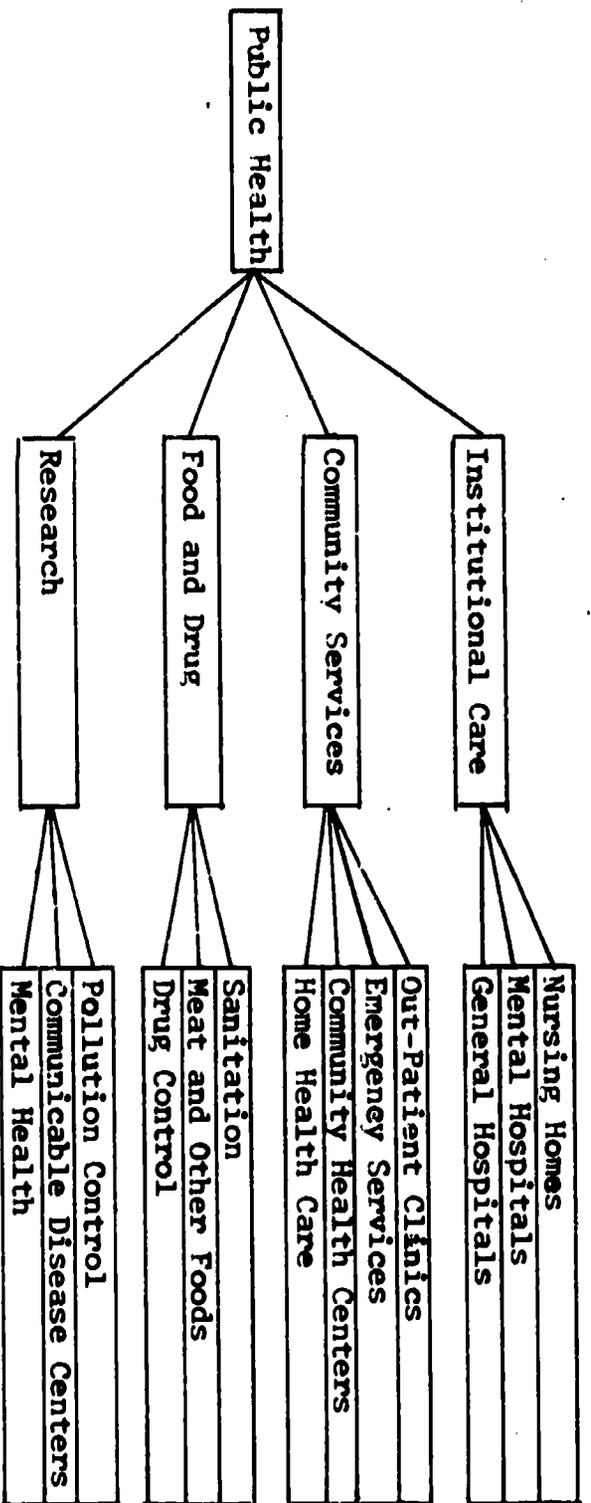


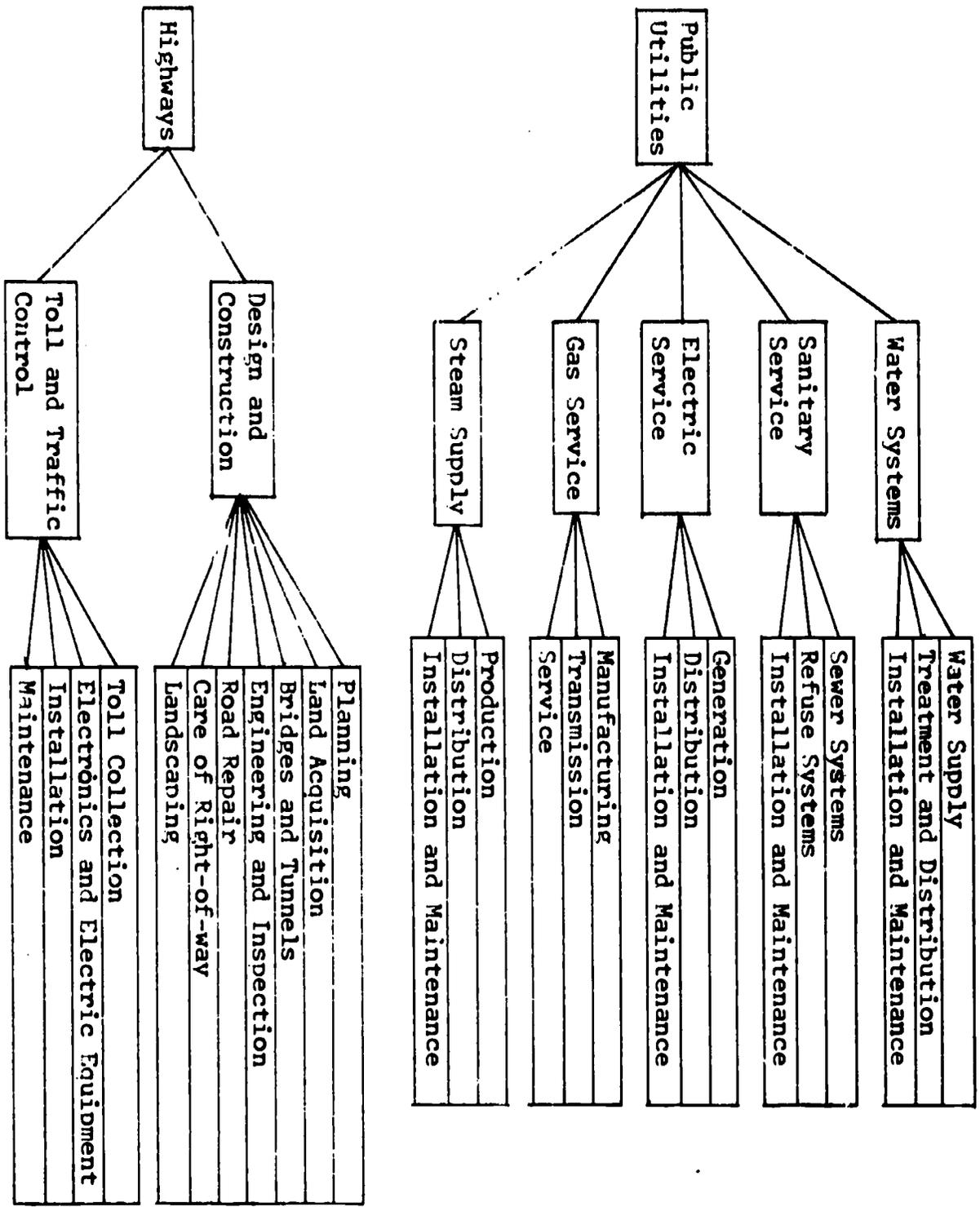


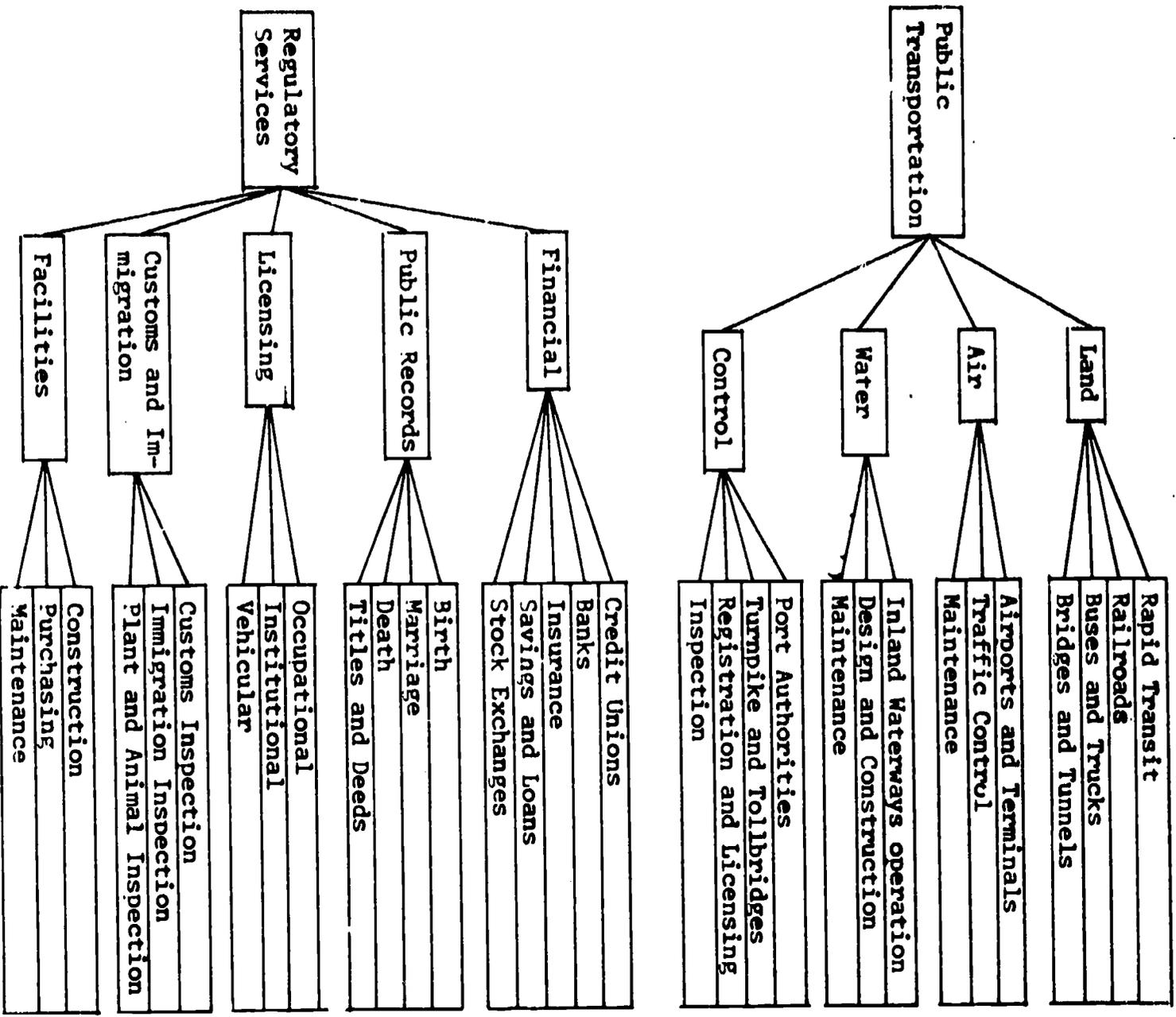


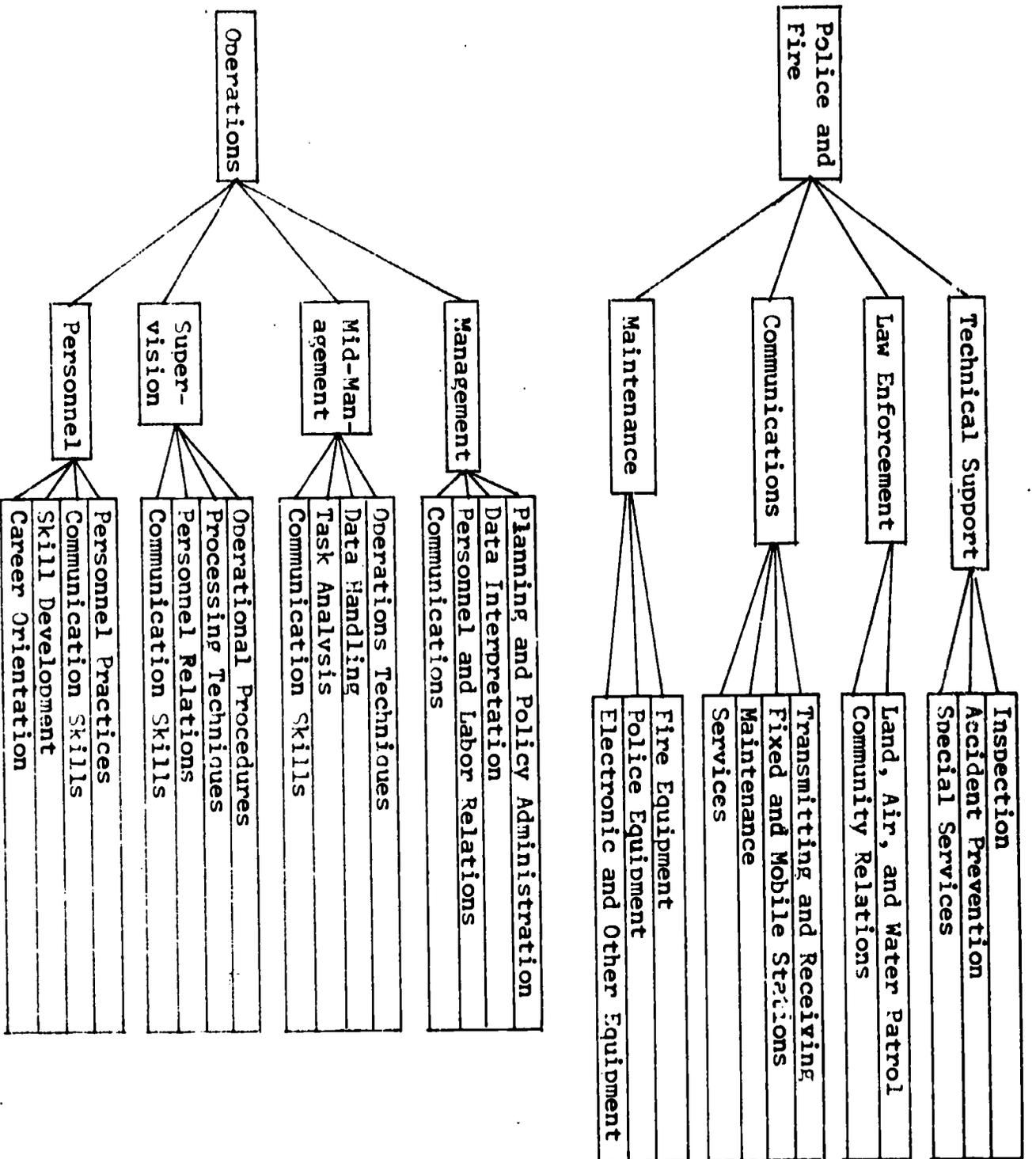
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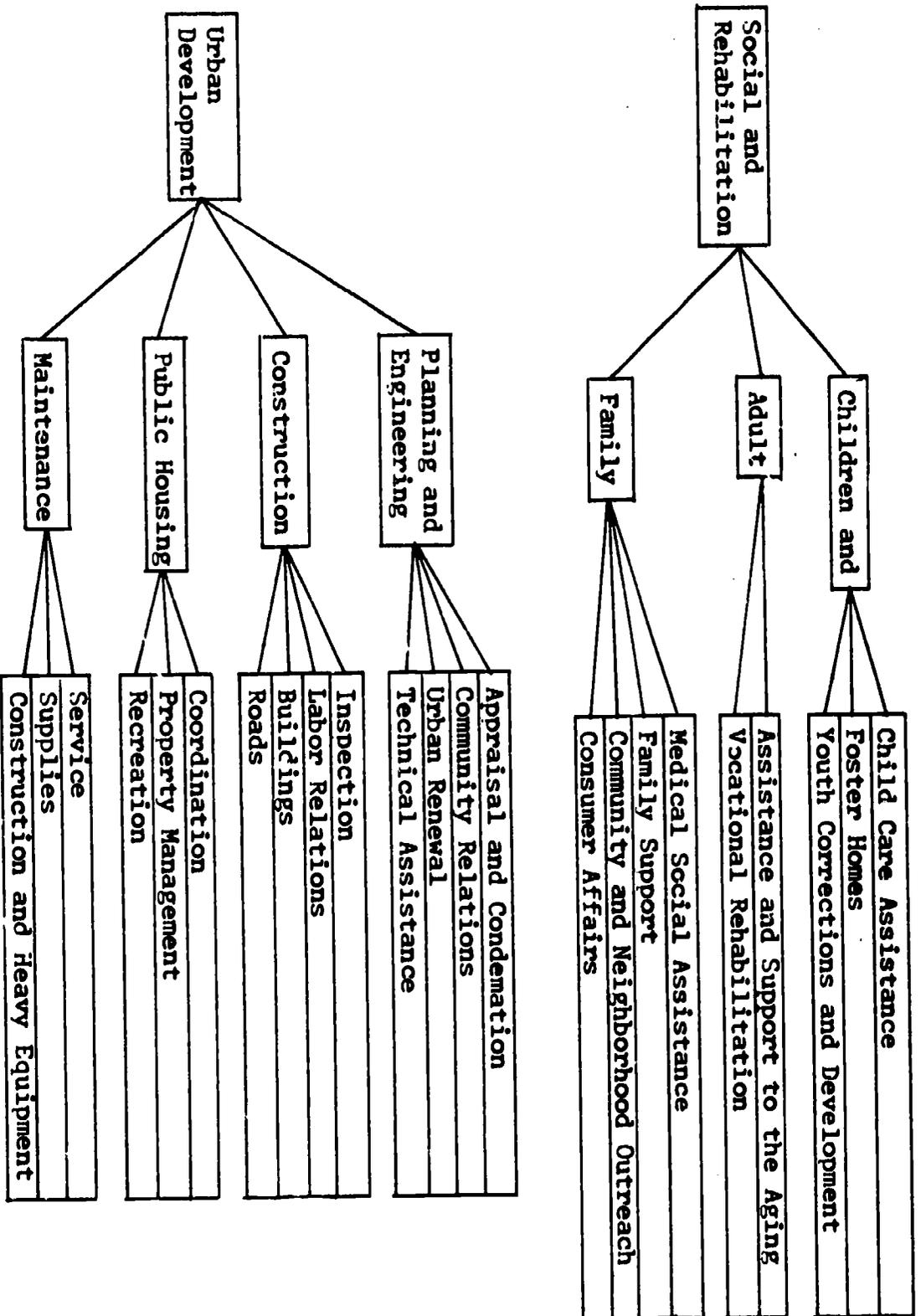




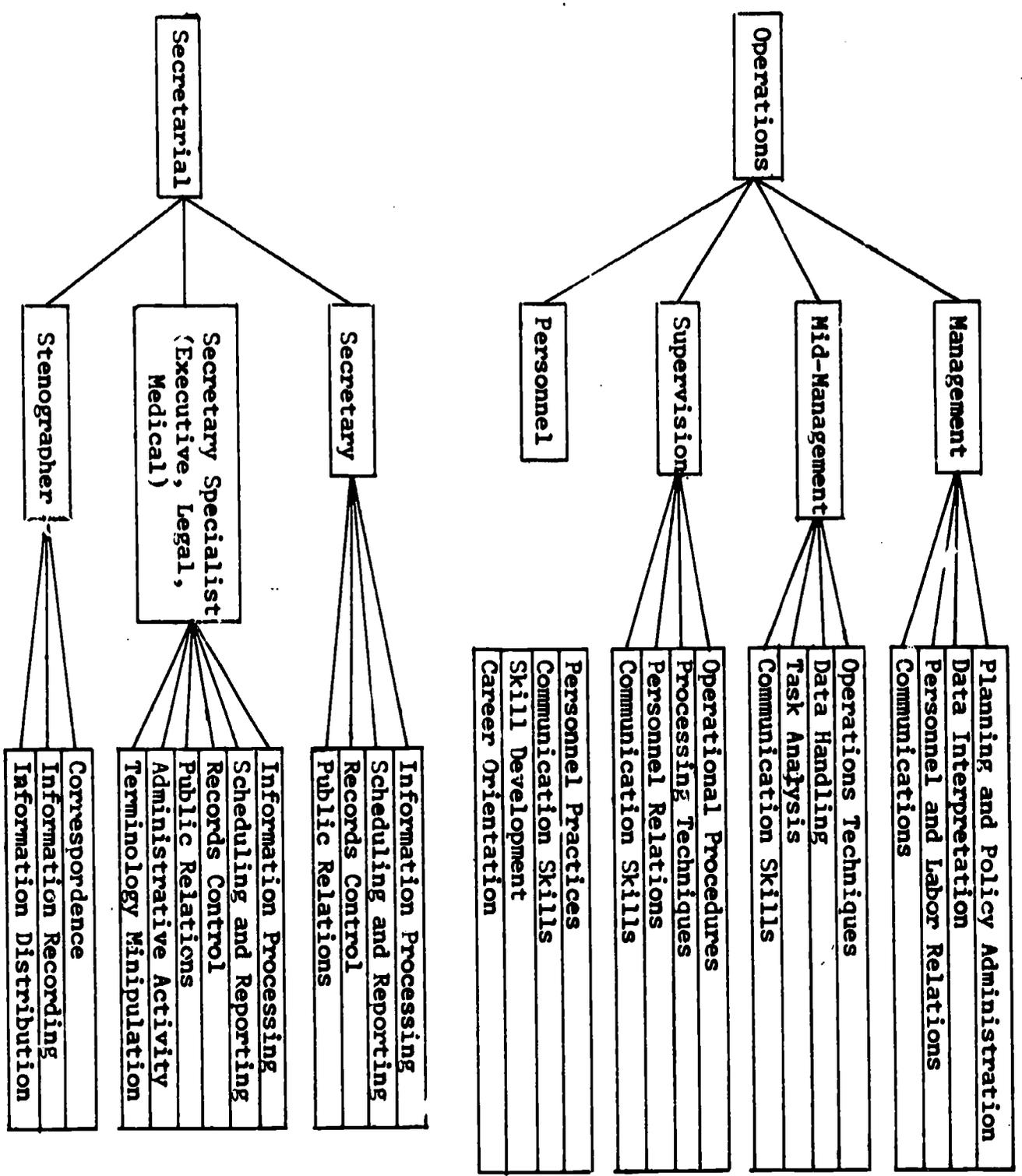


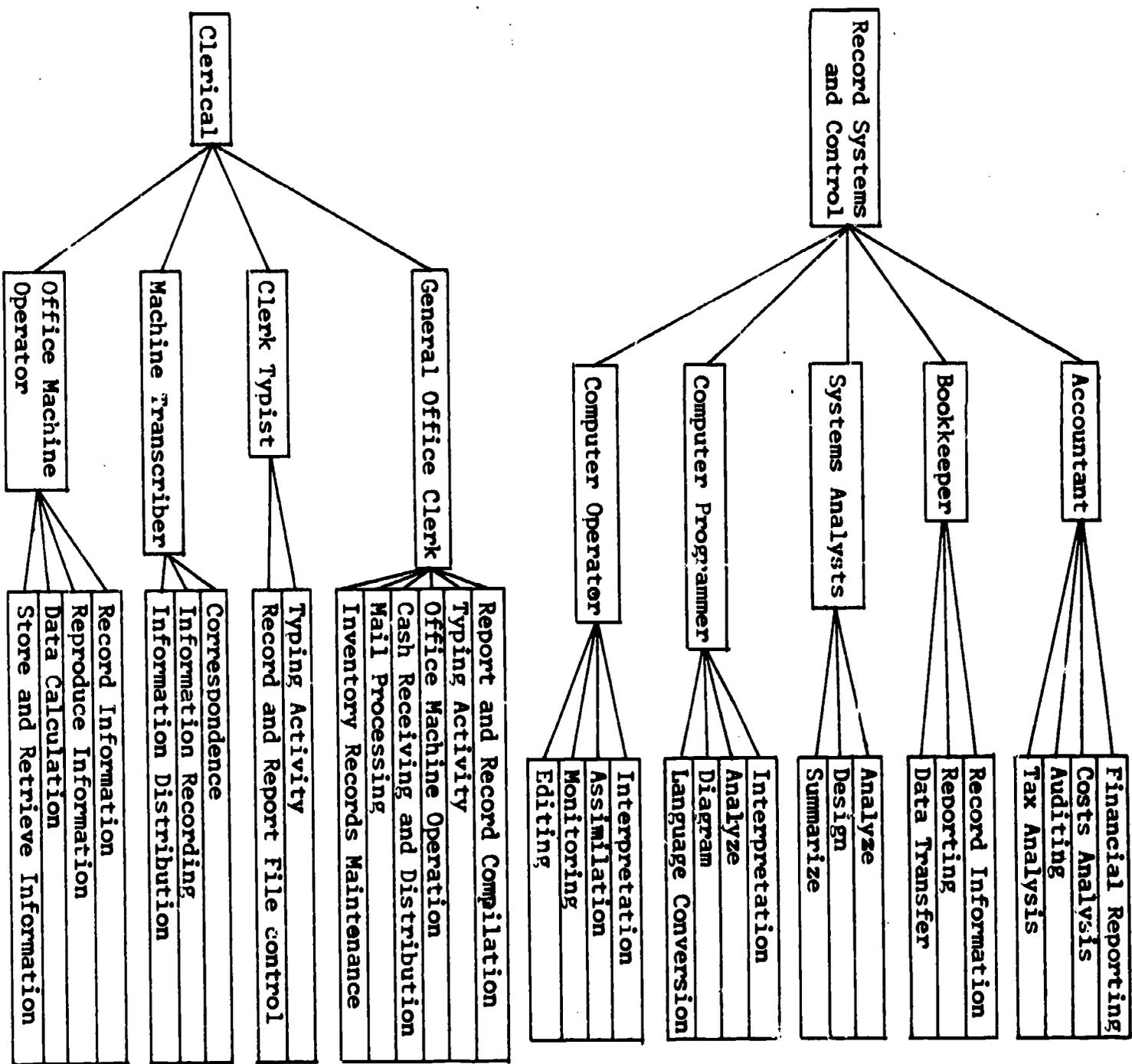


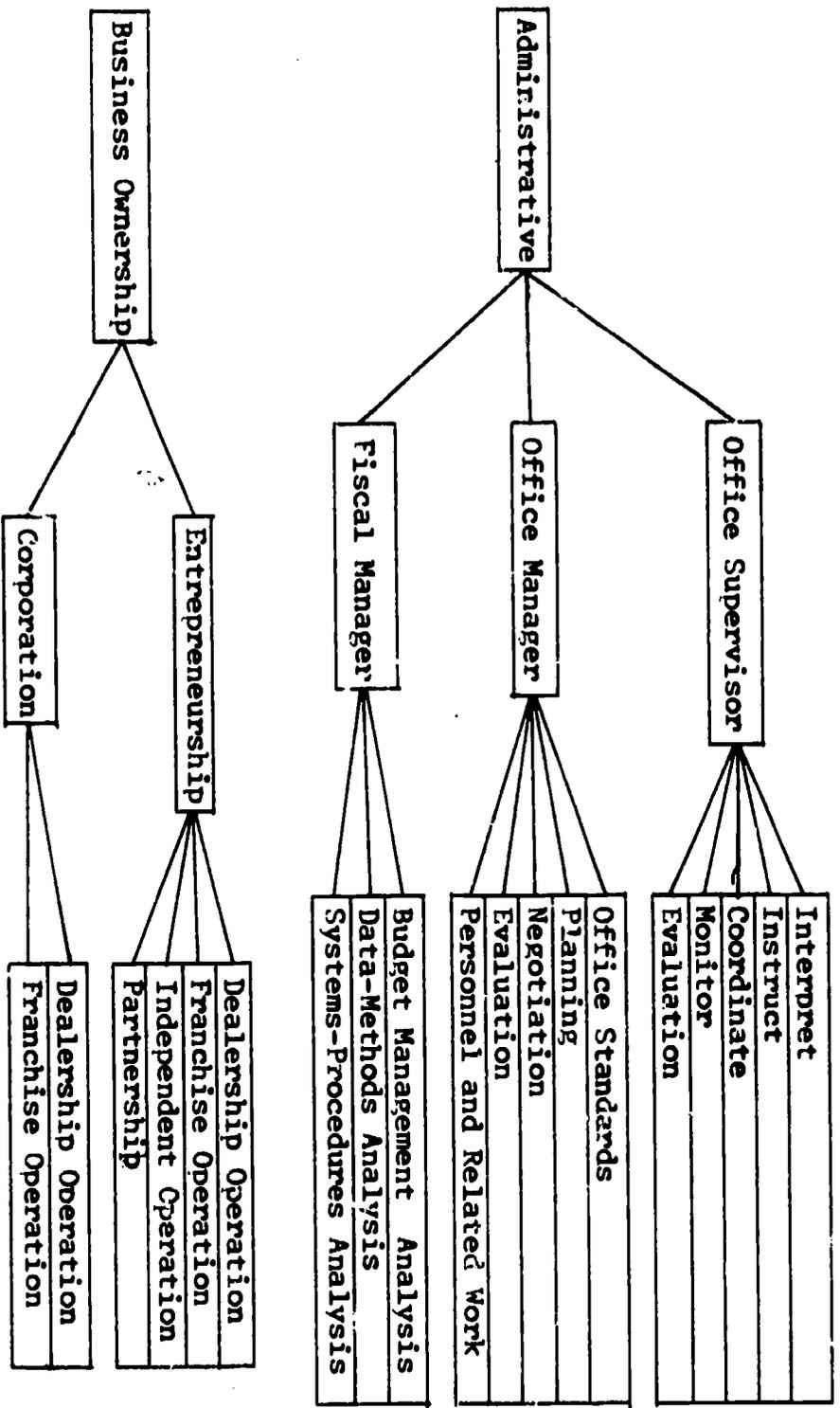




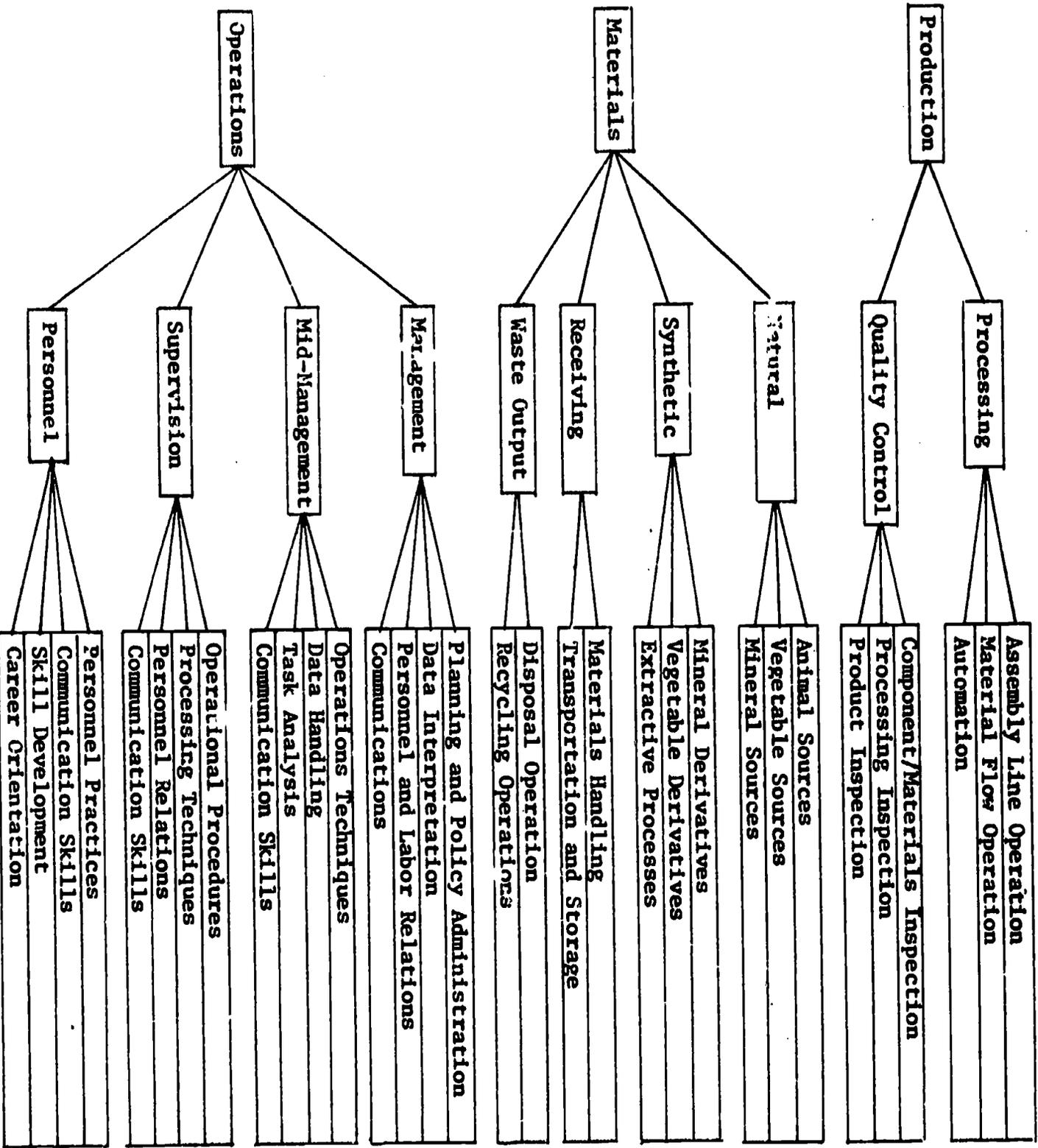
CLUSTER FOR
BUSINESS AND OFFICE OCCUPATIONS

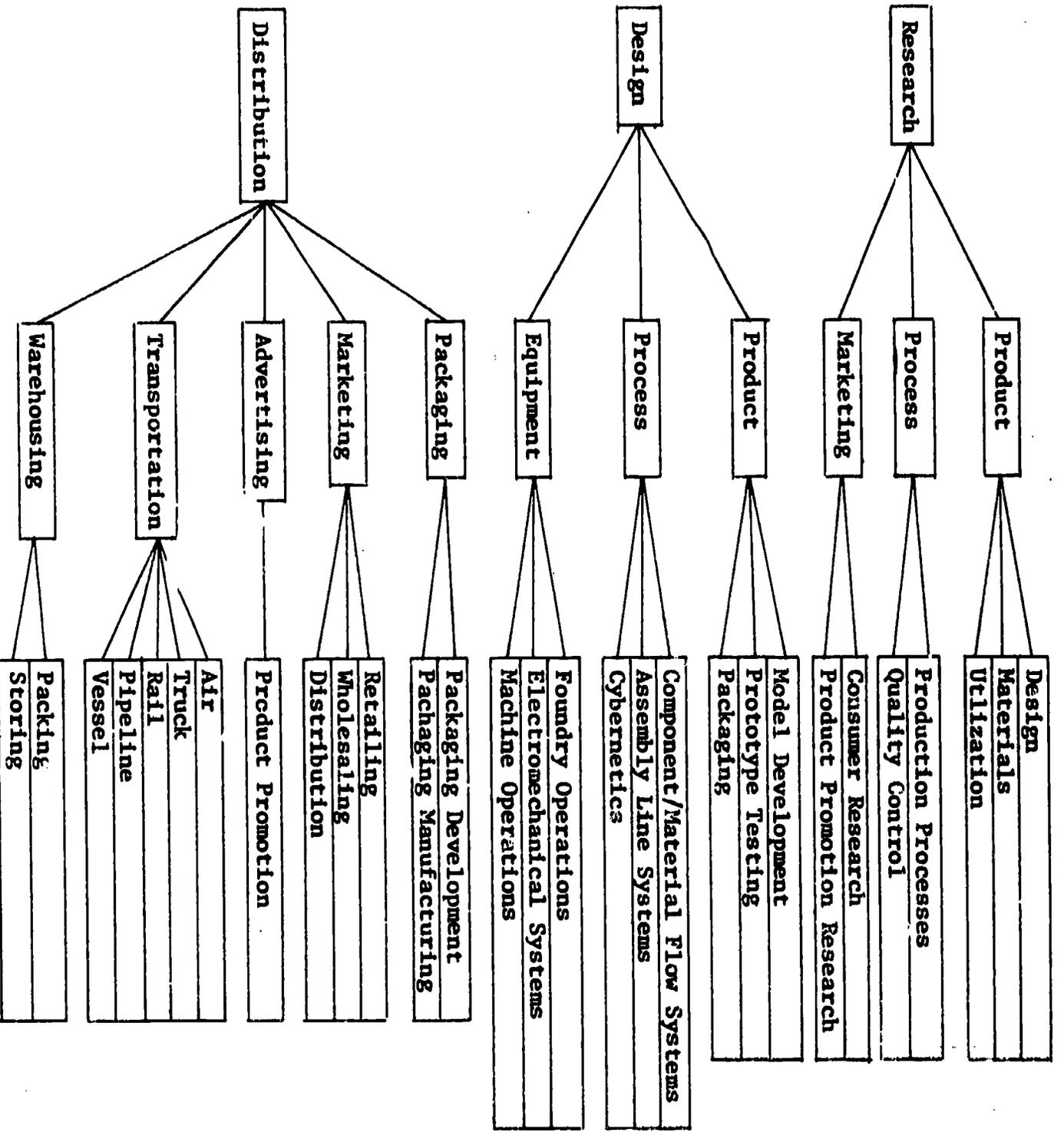






CLUSTER FOR MANUFACTURING





MAPS FOR CLUSTERING AND DISTRIBUTION OCCUPATIONS

