

CERD-L

DEPARTMENT OF THE ARMY  
U.S. Army Corps of Engineers  
Washington, DC 20314-1000

EP 70-1-3

Pamphlet  
No. 70-1-3

30 May 1989

Research and Development  
INSTALLATION SUPPORT ONE-STOP R&D SERVICE

1. Purpose. The purpose of this pamphlet is to provide points of contact for the One-Stop R&D Service.
2. Applicability. This pamphlet is applicable to all HQUSACE/OCE elements and all field operating activities (FOA).
3. Guidance. The total range of technology addressed by the Corps R&D community has been divided into selected research areas. A specific individual has been designated as a point of contact (POC) for each of the research areas. This POC is expected to be familiar with the latest knowledge in the research area and to know who in the Corps R&D community is the most knowledgeable specialist. Requests for assistance in other than assigned research areas are expected to be referred to or coordinated with the designated POC.

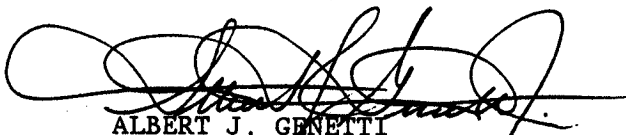
a. To obtain assistance on a problem, it is necessary to identify the appropriate research area and call the POC. The POC will respond directly or will enlist the aid of those persons most qualified to respond. The POC will also maintain contact throughout any subsequent activity to insure that a satisfactory response has been made.

b. Requesting activities will be expected to provide funds for travel and for assistance that exceeds two work days of effort.

c. The list of research areas and the corresponding contact is attached at Appendix A. If there are questions concerning the details of this service or about the classification of a problem, call the Directorate of Research and Development (CERD-L) area code (202) 272-0255.

FOR THE COMMANDER:

1 Appendix  
App A List of Research  
Areas

  
ALBERT J. GENETTI  
Colonel, Corps of Engineers  
Chief of Staff

This EP supersedes EP 70-1-3 dated 30 September 1987

INSTALLATION SUPPORT ONE STOP R&D SERVICE

| <u>RESEARCH AREAS</u>                   | <u>CONTACT</u>       | <u>TELEPHONE NUMBER</u> | <u>ORGANIZATION</u> |
|---|----------------------|-------------------------|---------------------|
| <u>COASTAL ENGINEERING</u>              |                      |                         |                     |
| Monitoring Completed Coastal Projects   | Mr. J. M. Hemsley    | COMM (601) 634-2075     | CEWES-CD-P          |
| Coastal Field Data Collection           | Mr. J. M. Hemsley    | COMM (601) 634-2075     | CEWES-CD-P          |
| Estuarine Field Data Collection         | Mr. G. M. Fisackerly | COMM (601) 634-3541     | CEWES-HE-P          |
| Wave Hindcast (SEAS)                    | Dr. C. L. Vincent    | COMM (601) 634-2008     | CEWES-CP-C          |
| Automated Coastal Engineering System    | Mr. A. Z. Szuwalski  | COMM (601) 634-2017     | CEWES-CD-A          |
| Salinity Intrusion                      | Mr. W. H. McAnally   | COMM (601) 634-3822     | CEWES-HE            |
| Estuarine Channels and Harbors          | Mr. W. H. McAnally   | COMM (601) 634-3822     | CEWES-HE            |
| Coastal Flooding & Storm Protection     | Dr. C. L. Vincent    | COMM (601) 634-2008     | CEWES-CP-C          |
| Harbor Entrances and Coastal Channels   | Dr. C. L. Vincent    | COMM (601) 634-2008     | CEWES-CP-C          |
| Shore Protection and Restoration        | Dr. C. L. Vincent    | COMM (601) 634-2008     | CEWES-CP-C          |
| Coastal Structure Evaluation and Design | Dr. C. L. Vincent    | COMM (601) 634-2008     | CEWES-CP-C          |

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| <u>RESEARCH AREAS</u>                 | <u>CONTACT</u>       | <u>TELEPHONE NUMBER</u> | <u>ORGANIZATION</u> |
|---------------------------------------|----------------------|-------------------------|---------------------|
| <u>COASTAL ENGINEERING (CON'T)</u>    |                      |                         |                     |
| Coastal Data Base Management          | Dr. F. E. Camfield   | COMM (601) 634-2012     | CEWES-CW-D          |
| Numerical Modeling<br>(Coastal)       | Mr. H. Lee Butler    | COMM (601) 634-2405     | CEWES-CR            |
| Numerical Modeling<br>(Estuarine)     | Mr. J. V. Letter     | COMM (601) 634-2845     | CEWES-HE-S          |
| Numerical Modeling<br>(Water Quality) | Mr. M. S. Dortch     | COMM (601) 634-3517     | CEWES-ES-Q          |
| Physical Modeling<br>(Coastal)        | Mr. C. E. Chatham    | COMM (601) 634-2460     | CEWES-CW            |
| Physical Modeling<br>(Estuarine)      | Mr. J. V. Letter     | COMM (601) 634-2845     | CEWES-HE-S          |
| Structure Modeling                    | Mr. D. D. Davidson   | COMM (601) 634-2722     | CEWES-CW            |
| Field Measurements<br>and Monitoring  | Mr. T. W. Richardson | COMM (601) 634-2019     | CEWES-CD            |
| Engineering Design                    | Mr. T. W. Richardson | COMM (601) 634-2019     | CEWES-CD            |
| Coastal Technology<br>Transfer        | Dr. F. E. Camfield   | COMM (601) 634-2012     | CEWES-CW-D          |
| Coastal Morphology                    | Dr. S. A. Hughes     | COMM (601) 634-2026     | CEWES-CR-P          |
| Sediment Transport<br>(Coastal)       | Dr. N. C. Kraus      | COMM (601) 634-2018     | CEWES-CR            |

RESEARCH AREASCONTACTTELEPHONE NUMBERORGANIZATIONCOASTAL ENGINEERING (CON'T)Sediment Transport  
(Estuarine)

Mr. A. M. Teeter

COMM (601) 634-2820

CEWES-HE-P

Tides and Storm Surge  
(Coastal)

Mr. H. L. Butler

COMM (601) 634-2405

CEWES-CR

Tides (Estuarine)

Mr. W. H. McAnally

COMM (601) 634-3822

CEWES-HE

Shoreline Erosion

Dr. N. C. Kraus

COMM (601) 634-2018

CEWES-CR

Beach Fill Design

Mr. E. Hands

COMM (601) 634-2088

CEWES-CD-S

Dredging (Coastal)

Mr. C. C. Calhoun

COMM (601) 634-2001

CEWES-CV-A

Dredging (Estuarine &amp; Interior)

Mr. E. C. McNair, Jr.

COMM (601) 634-3674

CEWES-HE-E

Sand Bypassing

Mr. T. W. Richardson

COMM (601) 634-2009

CEWES-CD-S

Ice Problems at River  
Harbors

Mr. L. Zabilansky

COMM (603) 646-4319

CECRL-EI

Coastal Ice Protection  
Structures

Dr. D. Sodhi

COMM (603) 646-4267

CECRL-EI

Coastal Ice Processes

Mr. A. Kovacs  
Mr. J. WuebbenCOMM (603) 646-4411  
COMM (603) 646-4418CECRL-EA  
CECRL-EIMATERIALS

Soil Mechanics - General

Mr. G. P. Hale

COMM (601) 634-2219

CEWES-GE

Soil Laboratory Testing

Mr. G. P. Hale

COMM (601) 634-2219

CEWES-GE

| <u>RESEARCH AREAS</u>             | <u>CONTACT</u>        | <u>TELEPHONE NUMBER</u> | <u>ORGANIZATION</u> |
|-----------------------------------|-----------------------|-------------------------|---------------------|
| <u>MATERIALS (CON'T)</u>          |                       |                         |                     |
| Soil Foundations                  | Dr. L. D. Johnson     | COMM (601) 634-3840     | CEWES-GE            |
| Soil Erosion                      | Dr. E. B. Perry       | COMM (601) 634-2670     | CEWES-GE            |
| Soils-Numerical Modeling          | Dr. J. F. Peters      | COMM (601) 634-2590     | CEWES-GE            |
| Soil In-Situ Testing              | Mr. R. W. Peterson    | COMM (601) 634-3737     | CEWES-GE            |
|                                   | Mr. R. S. Olsen       | COMM (601) 634-3152     | CEWES-GH            |
| Soil Instrumentation              | Mr. R. E. Leach       | COMM (601) 634-2727     | CEWES-GE            |
| Soil Dynamics                     | Dr. A. G. Franklin    | COMM (601) 634-2658     | CEWES-GE            |
| Geotextiles                       | Dr. J. Fowler         | COMM (601) 634-2703     | CEWES-GE            |
|                                   | Mr. S. L. Webster     | COMM (601) 634-2282     | CEWES-GE            |
| Geotechnical River<br>Engineering | Dr. V. H. Torrey, III | COMM (601) 634-2619     | CEWES-GE            |
| Rock                              | Dr. D. C. Banks       | COMM (601) 634-2630     | CEWES-GR            |
| Computer Engineering, CW          | Dr. N. Radhakrishnan  | COMM (601) 634-2527     | CEWES-IM-Z          |
| Concrete/Mortar/Grout             | Mr. K. L. Saucier     | COMM (601) 634-3277     | CEWES-SC            |
| Cement/Pozzolans/<br>Plyomers     | Mr. K. L. Saucier     | COMM (601) 634-3277     | CEWES-SC            |
| Chemical Admixtures               | Mr. K. L. Saucier     | COMM (601) 634-3277     | CEWES-SC            |
| Structural Engineering            | Mr. J. T. Ballard     | COMM (601) 634-2700     | CEWES-SV-A          |
| Electrical/Mechanical             | Mr. G. P. Bonner      | COMM (601) 634-2537     | CEWES-JV            |

RESEARCH AREASCONTACTTELEPHONE NUMBERORGANIZATIONMATERIALS (CON'T)Corrosion Abatement  
Paints and Coatings

Mr. A. Kumar

COMM (217) 373-7235  
(800) 872-2375, Ext 235

CERL

Bitumonous (Paving)

Mr. L. N. Godwin

COMM (601) 634-2144

CEWES-GP

Dust Paliatives

Mr. J. P. Armstrong

COMM (601) 634-2611

CEWES-GP

Paints and Coatings

Mr. A. Beitelman

COMM (217) 373-7237  
(800) 872-2375, Ext 237

CERL

Metallic Material

Dr. A. Kumar

COMM (217) 373-7235  
(800) 872-2375, Ext 235

CERL

Welding Materials

Mr. R. Weber

COMM (217) 373-7239  
(800) 872-2375, Ext 239

CERL

Snow and Ice

Mr. S. Ackley

COMM (603) 646-4258

CECRL-RS

Drilling and Frozen  
Materials

Mr. P. Sellman

COMM (603) 646-4347

CECRL-EC

Snow and Ice

Dr. M. Mellor  
Dr. A. GowCOMM (603) 646-4297  
COMM (603) 646-4256

CECRL-EE

CECRL-RS

Permafrost

Mr. F. Crory  
Mr. P. SellmannCOMM (603) 646-4373  
COMM (603) 646-4347

CECRL-EC

CECRL-EC

Frozen Soils

Dr. R. Berg  
Mr. E. ChamberlainCOMM (603) 646-4335  
COMM (603) 646-4236

CECRL-EE

CECRL-EA

| <u>RESEARCH AREAS</u>   | <u>CONTACT</u>          | <u>TELEPHONE NUMBER</u> | <u>ORGANIZATION</u> |
|---|-------------------------|-------------------------|---------------------|
| <u>MATERIALS (CON'T)</u>                                      |                         |                         |                     |
| Cold Temperature Effects<br>in Materials (except<br>concrete) | Dr. P. Dutta            | COMM (603) 646-4212     | CECRL-EA            |
| Drilling Sampling<br>Exploration                              | Mr. M. A. Vispi         | COMM (601) 634-2254     | CEWES-GR            |
| Engineering Geology   | Dr. L. M. Smith         | COMM (601) 634-2497     | CEWES-GR            |
| Geophysics  | Mr. R. F. Ballard, Jr.  | COMM (601) 634-2201     | CEWES-GH            |
| Earthquake Engineering  | Dr. A. G. Franklin      | COMM (601) 634-2658     | CEWES-GH            |
| Engineering Seismology  | Dr. E. L. Krinitzsky    | COMM (601) 634-3329     | CEWES-GR            |
| Earthquake Effects on<br>Structures                           | Dr. R. L. Hall          | COMM (601) 634-2567     | CEWES-SS            |
| <u>FLOOD CONTROL AND NAVIGATION</u>                           |                         |                         |                     |
| Flood Control Hyradulics                                      | Mr. M. B. Boyd          | COMM (601) 634-3293     | CEWES-HR            |
| Flood Control Channels  | Mr. W. A. Thomas        | COMM (601) 634-2511     | CEWES-HR            |
| Hydraulic Model Studies                                       | Mr. F. A. Herrmann, Jr. | COMM (601) 634-3343     | CEWES-HV-Z          |
| Sedimentation Studies   | Mr. W. A. Thomas        | COMM (601) 634-2511     | CEWES-HR            |
| Navigation Hyrdaulics   | Mr. T. L. Pokrefke      | COMM (601) 634-2650     | CEWES-HR-A          |
| Ship/Tow Simulators   | Dr. L. L. Daggett       | COMM (601) 634-2259     | CEWES-HR-S          |
| Estuarine Channels  | Mr. W. H. McAnally      | COMM (601) 634-3822     | CEWES-HE            |

| <u>RESEARCH AREAS</u>                       | <u>CONTACT</u>       | <u>TELEPHONE NUMBER</u> | <u>ORGANIZATION</u> |
|---|----------------------|-------------------------|---------------------|
| <u>FLOOD CONTROL AND NAVIGATION (CON'T)</u> |                      |                         |                     |
| Field Data                                  | Mr. G. M. Fisackerly | COMM (601) 634-3341     | CEWES-HE-P          |
| Hydraulic Structures                        | Mr. G. A. Pickering  | COMM (601) 634-3344     | CEWES-HS            |
| Water Quality Modeling                      | Mr. M. S. Dortch     | COMM (601) 634-3517     | CEWES-ES-Q          |
| Water Resources in Cold Regions             | Mr. D. Calkins       | COMM (603) 646-4308     | CECRL-RE            |
|   | Mr. T. Pangburn      | COMM (603) 646-4296     | CECRL-RE            |
| Ice Engineering                             | Mr. G. Frankenstein  | COMM (603) 646-4361     | CECRL-EI            |
| Flood Control (Ice)<br>Hydraulics           | Mr. J. Zufelt        | COMM (603) 646-4325     | CECRL-EI            |
| Hydraulic Model Studies<br>(Ice)            | Mr. J. Zufelt        | COMM (603) 646-4325     | CECRL-EI            |
| Navigation Hyrdraulics<br>(Ice)             | Dr. J. C. Tatinclaux | COMM (603) 646-4249     | CECRL-EI            |
| <u>ENVIRONMENTAL QUALITY (CW)</u>           |                      |                         |                     |
| Environmental Impact                        | Dr. R. T. Saucier    | COMM (601) 634-3233     | CEWES-EV            |
| Wetlands                                    | Dr. R. M. Engler     | COMM (601) 634-3624     | CEWES-EP-D          |
| Archaeological Site<br>Preservation         | Dr. R. T. Saucier    | COMM (601) 634-3233     | CEWES-EV            |
| Wildlife Management/<br>Mitigation          | Dr. C. O. Martin     | COMM (601) 634-3958     | CEWES-ER            |



| <u>RESEARCH AREAS</u>                                | <u>CONTACT</u>           | <u>TELEPHONE NUMBER</u> | <u>ORGANIZATION</u> |
|--|--------------------------|-------------------------|---------------------|
| <u>ENVIRONMENTAL QUALITY (CW) (CON'T)</u>            |                          |                         |                     |
| Habitat Evaluation                                   | Ms. L. J. O'Neil         | COMM (601) 634-3641     | CEWES-ER            |
| Instream Flow Studies                                | Dr. J. M. Nestler        | COMM (601) 634-3870     | CEWES-ES-Q          |
| Navigation Effects                                   | Dr. A. C. Miller         | COMM (601) 634-2141     | CEWES-ER            |
| Wastewater Management-Land Treatment                 | Mr. S. Reed              | COMM (603) 646-4443     | CECRL-EC            |
| Hydrogeology   | Mr. J. May               | COMM (601) 634-3395     | CEWES-GR            |
| Water Quality Modeling                               | Mr. M. S. Dortch         | COMM (601) 634-3517     | CEWES-ES-Q          |
| Contaminants   | Dr. L. H. Saunders       | COMM (601) 634-4297     | CEWES-ES-Q          |
| Reservoir Impacts                                    | Dr. J. M. Nestler        | COMM (601) 634-3870     | CEWES-ES-Q          |
|  | Dr. R. H. Kennedy        | COMM (601) 634-3659     | CEWES-ES-A          |
| Water Supply Conservation/<br>Distribution Treatment | Mr. M. J. Cullinane, Jr. | COMM (601) 634-3723     | CEWES-EE-S          |
| Solid and Hazardous Waste                            | Mr. N. R. Freacingues    | COMM (601) 634-3703     | CEWES-EE-S          |
| Chemical Analysis/QA-<br>Analytical Chemistry        | Ms. A. B. Strong         | COMM (601) 634-2726     | CEWES-EE-A          |
| Habitat Development/<br>Restoration                  | Mr. H. H. Allen          | COMM (601) 634-3650     | CEWES-ER-W          |
| Coastal Ecology                                      | Mr. E. J. Pullen         | COMM (601) 634-3650     | CEWES-ER-C          |
| Dynamic Programming and<br>Optimization              | Mr. J. Holland           | COMM (601) 634-2644     | CEWES-HS-R          |

| <u>RESEARCH AREAS</u>                                       | <u>CONTACT</u>  | <u>TELEPHONE NUMBER</u>                        | <u>ORGANIZATION</u> |
|---|-----------------|--|---------------------|
| <u>ENVIRONMENTAL QUALITY (CW) (CON'T)</u>                   |                 |  |                     |
| Physical Modeling of<br>Selectives Withdrawal<br>Structures | Mr. J. Holland  | COMM (601) 634-2644                            | CEWES-HS-R          |
| Gas Transfer and Selectives<br>Withdrawal                   | Mr. S. Wilhelms | COMM (601) 634-2475                            | CEWES-HS-R          |
| Hydropower Reaeration                                       | Mr. S. Wilhelms | COMM (601) 634-2475                            | CEWES-HS-R          |
| Hypolimnetic Aeration and<br>Destratification               | Dr. R. Price    | COMM (601) 634-2440                            | CEWES-HS-R          |
| 2-D Hyrdodynamic Numerical<br>Codes                         | Dr. B. Bernard  | COMM (601) 634-2491                            | CEWES-HS-R          |
| <u>ENVIRONMENTAL QUALITY (M)</u>                            |                 |  |                     |
| Solid Waste - Cold Regions                                  | Mr. R. Sletten  | COMM (603) 646-4447                            | CECRL-EC            |
| Impact Statements   | Dr. E. Navak    | COMM (217) 373-7231<br>(800) 872-2375, Ext 231 | CERL                |
| Air Pollution   | Dr. W. Mikucki  | COMM (217) 373-7227<br>(800) 872-2375, Ext 227 | CERL                |
| Noise Pollution   | Dr. P. Schomer  | COMM (217) 373-7229<br>(800) 872-2375, Ext 229 | CERL                |
| Solid and Hazardous Waste                                   | Mr. W. Mikucki  | COMM (217) 373-7227<br>(800) 872-2375, Ext 227 | CERL                |
| Water Pollution   | Dr. E. Smith    | COMM (217) 373-7237<br>(800) 872-2375, Ext 237 | CERL                |

| <u>RESEARCH AREAS</u>               | <u>CONTACT</u>      | <u>TELEPHONE NUMBER</u> | <u>ORGANIZATION</u> |
|-------------------------------------|---------------------|-------------------------|---------------------|
| <u>MILITARY ENGINEERING</u>         |                     |                         |                     |
| Battlefield Environment             | Dr. V. E. LaGarde   | COMM (601) 634-2297     | CEWES-EN            |
| Combat Engineering                  | Mr. L. I. Huskey    | COMM (601) 634-3933     | CEWES-FV            |
| Battlefield Environmental<br>Winter | Mr. R. Redfield     | COMM (603) 646-4367     | CECRL-RG            |
| Mobility Testing                    | Mr. B. G. Schreiner | COMM (601) 634-2447     | CEWES-GM            |
| Mobility Modeling                   | Mr. D. D. Randolph  | COMM (601) 634-3286     | CEWES-GM            |
| Mobility (Ice & Snow)               | Dr. R. A. Liston    | COMM (603) 646-4379     | CECRL-EA            |
| Hydyrdology                         | Mr. J. Collins      | COMM (601) 634-3982     | CEWES-EN            |
| Weapons Effects                     | Mr. L. K. David     | COMM (601) 634-3323     | CEWES-SE            |
| Explosives and Demolitions          | Mr. H. D. Carleton  | COMM (601) 634-3812     | CEWES-SE            |
| Hardened Facilities                 | Dr. S. A. Kiger     | COMM (601) 634-3696     | CEWES-SS            |
| Field & Urban Fortifications        | Mr. W. L. Huff      | COMM (601) 634-2755     | CEWES-SS            |
| Mine/Countermine                    | Dr. V. Barber       | COMM (601) 634-2146     | CEWES-EN            |
| Lines of Communication              | Dr. G. M. Hammitt   | COMM (601) 634-3304     | CEWES-GP            |
| Logistics Over-the-Shore            | Dr. G. M. Hammitt   | COMM (601) 634-3304     | CEWES-GP            |
| Fixed Installation<br>Camouflage    | Dr. J. Duke         | COMM (601) 634-2682     | CEWES-EN            |

| <u>RESEARCH AREAS</u>               | <u>CONTACT</u>    | <u>TELEPHONE NUMBER</u>                        | <u>ORGANIZATION</u> |
|-------------------------------------|-------------------|--|---------------------|
| <u>MILITARY ENGINEERING (CON'T)</u> |                   |  |                     |
| Engineer Modelling                  | Mr. H. Deponi     | COMM (217) 373-7271<br>(800) 872-2375, Ext 271 | CERL                |
| <u>TOPOGRAPHIC SCIENCES</u>         |                   |  |                     |
| Mapping                             | Mr. E. P. Griffin | AV 345-2800<br>COMM (202) 355-2800             | ETL                 |
| Geodesy & Point Positioning         | Mr. E. P. Griffin | AV 345-2800<br>COMM (202) 355-2800             | ETL                 |
| Military Geographic Information     | Mr. H. Britton    | AV 345-2854<br>COMM (202) 355-2854             | ETL                 |
| Geomorphology                       | Dr. L. M. Smith   | COMM (601) 634-2497                            | CEWES-GR            |
| Hyrdology                           | Dr. V. E. LeGarde | COMM (601) 634-2683                            | CEWES-EN            |
| Digital Image Processing            | Mr. J. Stilwell   | AV 345-3879<br>COMM (202) 355-3879             | ETL                 |
| Video Disk Tac Decision Aids        | Mr. D. Costanzo   | AV 345-3451<br>COMM (202) 355-3451             | ETL                 |
| Terrain Targeting Aids              | Mr. J. Pattie     | AV 345-2958<br>COMM (202) 355-2958             | ETL                 |
| Rapid Map/Graphic Reproduction      | Mr. W. Clark      | AV 345-3664<br>COMM (202) 355-3664             | ETL                 |

RESEARCH AREAS

CONTACT

TELEPHONE NUMBER

ORGANIZATION

TOPOGRAPHIC SCIENCES (CON'T)

Digital Topographic Data  
Generation/Distribution

Mr. B. Opitz

AV 345-2850  
COMM (202) 345-2850

ETL

Surveying and Satellite  
-Applications  
-Earth Research

Mr. S. DeLoach

AV 345-2816  
COMM (202) 355-2816

ETL

Remote Sensing

Dr. H. McKim  
Dr. J. M. Rinker

COMM (603) 646-4479  
AV 345-2867  
COMM (202) 355-2867

CECRL-RD  
ETL

Mr. R. E. Frost

AV 345-2695  
COMM (202) 355-2695

ETL

Remote Sensing (Coastal)

Mr. T. W. Richardson

COMM (601) 634-2019

CEWES-CD

Sub-botton Acoustic

Mr. W. L. Murphy

COMM (601) 634-3322

CEWES-GR

Artificial Intelligence

Mr. J. Benton

AV 345-2717  
COMM (202) 355-2717

ETL

Intelligent Systems

Mr. L. Gambino

AV 345-2700  
COMM (202) 355-2700

ETL

Mr. E. Middleton

COMM (601) 634-4020

CEWES-IM-R

Computer Image

Mr. L. Greczy

AV 345-3032  
COMM (202) 355-3032

ETL

3-D Terrain Graphics

Mr. J. Breen

AV 345-3123  
COMM (202) 355-3123

ETL

RESEARCH AREASCONTACTTELEPHONE NUMBERORGANIZATIONTOPOGRAPHIC SCIENCES (CON'T)Tactical Terrain Decision  
Aids

Mr. G. Aitken

AV 345-2835

ETL

COMM (202) 355-2835

Mr. J. Breen

AV 345-3123

ETL

COMM (202) 355-3123

Terrain Data Base  
Production & Maintenance

Mr. P. Logan

AV 345-2845

ETL

COMM (202) 355-2845

Feature Extraction

Dr. F. Rhode

AV 345-2735

ETL

COMM (202) 355-2735

Army Digital Terrain Data  
Requirements

Mr. R. Orsinger

AV 345-2804

ETL

COMM (202) 355-2804

Army Mobility Terrain  
Data Bases

Mr. N. Murphy

COMM (601) 634-2447

CEWES-GM

Automated Terrain Analysis

Mr. H. Babcock

AV 345-2877

ETL

COMM (202) 355-2877

Mr. H. Britton

AV 345-2854

ETL

COMM (202) 355-2854

Geographic Information  
Systems (GIS)

Mr. H. Babcock

AV 345-2877

ETL

COMM (202) 355-2877

Inferential Logic  
(Artificial Intelligence)

Mr. J. Benton

AV 345-2717

ETL

COMM (202) 355-2717

Computer Image Generation

Mr. L. Greczy

AV 345-3032

ETL

COMM (202) 355-3032

Reproduction Technology

Mr. W. Clark

AV 345-3664

ETL

COMM (202) 355-3664

| <u>RESEARCH AREAS</u>                    | <u>CONTACT</u>     | <u>TELEPHONE NUMBER</u>             | <u>ORGANIZATION</u> |
|--|--------------------|-------------------------------------|---------------------|
| <u>TOPOGRAPHIC SCIENCES (CON'T)</u>      |                    |                                     |                     |
| Space Studies                            | Mr. L. Gambino     | AV 345-2700<br>COMM (202) 355-2700  | ETL                 |
| Vehicle Orientation                      | Mr. F. Gloeckler   | AV 345-2777<br>(COMM (202) 355-2777 | ETL                 |
| Autonomous Vehicle<br>Technology         | Mr. G. Lukes       | AV 345-2732<br>COMM (202) 355-2732  | ETL                 |
| Target Location                          | Mr. M. Crombie     | AV 345-7070<br>COMM (202) 355-7070  | ETL                 |
| Space Concepts                           | Mr. D. Barnes      | AV 345-3871<br>COMM (202) 355-3871  | ETL                 |
| Multispectral Image<br>Exploitation      | Mr. R. Rand        | AV 345-3896<br>COMM (202) 355-3896  | ETL                 |
|  | Mr. M. Satterwhite | AV 345-2698<br>COMM (202) 355-2698  | ETL                 |
|  | Mr. P. Henley      | AV 345-3159<br>COMM (202) 355-3159  | ETL                 |
| Symbolic Modeling of Terrain<br>Features | Dr. F. Rhode       | AV 345-2735<br>COMM (202) 355-2735  | ETL                 |
| Mathematical Morphology                  | Dr. F. Rhode       | AV 345-2735<br>COMM (202) 355-2735  | ETL                 |
| Computer Vision                          | Dr. F. P. Chen     | AV 345-2728<br>COMM (202) 355-2728  | ETL                 |
| Image Experts                            | Mr. W. West        | COMM (601) 634-2732                 | CEWES-EN-B          |

RESEARCH AREASCONTACTTELEPHONE NUMBERORGANIZATIONDESIGN & CONST (MIL)

|                                    |                    |  |             |
|------------------------------------|--------------------|--|-------------|
| Project Planning                   | Dr. R. Brauer      | COMM (217) 373-6714<br>(800) 872-2375, Ext 714 | CERL        |
| Water Supply Systems               | Mr. D. Chase       | COMM (601) 634-3931                            | CEWES-BE    |
| Facilities Design System           | Ms. J. Spoonamore  | COMM (217) 373-7270<br>(800) 872-2375, Ext 270 | CERL        |
| Industrialized Building Systems    | Mr. T. Napier      | COMM (217) 373-7263<br>(800) 872-2375, Ext 263 | CERL        |
| Facilities Functional Requirements | Mr. R. Porter      | COMM (217) 373-7266<br>(800) 872-2375, Ext 266 | CERL        |
| Seismic Strengthening              | Mr. H. Haynes      | COMM (217) 373-7248<br>(800) 872-2375, Ext 248 | CERL        |
| Construction Management            | Dr. S. Kim         | COMM (217) 373-7269<br>(800) 872-2375, ext 269 | CERL        |
| Supercomputer Applications         | Mr. S. A. Adamec   | COMM (601) 534-2901                            | CEWES-IM-CR |
| Construction Materials, Polymeric  | Mr. A. Smith       | COMM (217) 373-7245<br>(800) 872-7245, Ext 245 | CERL        |
|                                    | Mr. T. B. Husbands | COMM (601) 634-3275                            | CEWES-SC    |
| Construction Materials, Metallic   | Dr. A. Kumar       | COMM (217) 373-7235<br>(800) 872-7245, Ext 235 | CERL        |
| Construction Materials, Other      | Dr. P. Howdysshell | COMM (217) 373-7244<br>(800) 872-7245, Ext 244 | CERL        |



| <u>RESEARCH AREAS</u>                              | <u>CONTACT</u>      | <u>TELEPHONE NUMBER</u>                        | <u>ORGANIZATION</u> |
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| <u>DESIGN &amp; CONST (MIL) (CON'T)</u>            |                     |  |                     |
| Roofing Systems                                    | Mr. D. Bailey       | COMM (217) 373-6756<br>(800) 872-7245, Ext 756 | CERL                |
| Metallurgy and Welding                             | Mr. R. Weber        | COMM (217) 373-7239<br>(800) 872-7245, Ext 239 | CERL                |
| Physical Security                                  | Mr. H. Hayes        | COMM (217) 373-7248<br>(800) 872-7245, Ext 248 | CERL                |
| Intrusion Detection                                | Mr. Charlie Miller  | COMM (601) 634-3275                            | CEWES-EN-B          |
| EMP Shielding                                      | Mr. R. McCormack    | COMM (217) 373-7246<br>(800) 872-7245, Ext 246 | CERL                |
| Terrorist Protection                               | Mr. D. R. Coltharp  | COMM (601) 634-2629                            | CEWES-SS            |
| Construction Quality<br>Control (Welding)          | Mr. F. Kearney      | COMM (217) 373-7211<br>(800) 872-7245, Ext 211 | CERL                |
| MCA Program Analysis                               | Mr. A. Moore        | COMM (217) 373-7267<br>(800) 872-7245, Ext 267 | CERL                |
| Construction Materials<br>(Concrete, Cold Regions) | Mr. C. Korhonen     | COMM (603) 646-4438                            | CECRL-EC            |
| Foundations (MIB)                                  | Mr. G. B. Mitchell  | COMM (601) 634-2640                            | CEWES-GE            |
| Computer-Aided Design<br>and Drafting              | Dr. E. E. Middleton | COMM (601) 634-4020                            | CEWES-IM-D          |
| Computer Aided Geotechnical<br>Engineering         | Mr. E. V. Edris     | COMM (601) 634-3378                            | CEWES-GE            |

| <u>RESEARCH AREAS</u>                      | <u>CONTACT</u>              | <u>TELEPHONE NUMBER</u>                        | <u>ORGANIZATION</u>  |
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| <u>DESIGN &amp; CONST (MIL) (CON'T)</u>    |                             |  |                      |
| Computer-Aided Structural Engineering      | Dr. D. Radhakrishnan        | COMM (601) 634-2527                            | CEWES-IM-Z           |
| Construction Materials, Concrete           | Mr. B. Mather               | COMM (601) 634-3264                            | CEWES-SV-Z           |
| Non-Destructive Evaluation                 | Mr. H. T. Thornton          | COMM (601) 634-3797                            | CEWES-SC             |
| Repair of Concrete Structures              | Mr. J. E. McDonald          | COMM (601) 634-3230                            | CEWES-SC             |
| Physical Security (Ice & Snow)             | Dr. L. Peck                 | COMM (603) 646-4261                            | CECRL-RG             |
| Condition Evaluation (Concrete Structures) | Mr. R. L. Stowe             | COMM (601) 634-3254                            | CEWES-SC             |
| Pavements                                  | Mr. H. H. Ulery             | COMM (601) 634-3304                            | CEWES-GP             |
| Pavements - Cold Regions                   | Mr. R. Eaton<br>Dr. R. Berg | COMM (603) 646-4209<br>COMM (603) 646-4335     | CECRL-EE<br>CECRL-EE |
| Geophysical Engineering                    | Dr. P. F. Hadala            | COMM (601) 634-3475                            | CEWES-GV-A           |
| <u>INSTALLATION SUPPORT (MIL)</u>          |                             |  |                      |
| Corrosion Mitigation                       | Dr. A. Kumar                | COMM (217) 373-7235<br>(800) 872-2375, Ext 235 | CERL                 |
| Decision Support System                    | Mr. S. Freiderich           | COMM (217) 373-6726<br>(800) 872-2375, Ext 726 | CERL                 |

| <u>RESEARCH AREAS</u>                       | <u>CONTACT</u>    | <u>TELEPHONE NUMBER</u>                        | <u>ORGANIZATION</u> |
|---|-------------------|--|---------------------|
| <u>INSTALLATION SUPPORT (MIL) (CON'T)</u>   |                   |  |                     |
| Equipment Maintenance Management            | Mr. R. Blackmon   | COMM (217) 373-7272<br>(800) 872-2375, Ext 272 | CERL                |
| Energy Conservation                         | Mr. D. Herron     | COMM (217) 373-7278<br>(800) 872-2375, Ext 278 | CERL                |
| Energy Control Systems                      | Mr. D. Herron     | COMM (217) 373-7278<br>(800) 872-2375, Ext 278 | CERL                |
| Energy Management                           | Dr. M. Binder     | COMM (217) 373-7283<br>(800) 872-2375, Ext 283 | CERL                |
| Problem Soils                               | Dr. C. R. Lee     | COMM (601) 634-3585                            | CEWES-ES-R          |
| Environmental Quality - Air Pollution       | Mr. W. Mikucki    | COMM (217) 373-7227<br>(800) 872-2375, Ext 227 | CERL                |
| Water Quality                               | Dr. T. Hart       | COMM (601) 634-3449                            | CEWES-ES-Q          |
| Hazardous Waste                             | Mr. B. Donahue    | COMM (217) 373-6733<br>(800) 872-2375, Ext 733 | CERL                |
| Hazardous & Toxic Waste Laboratory Analysis | Mr. R. Montgomery | COMM (601) 634-3416                            | CEWES-EE            |
| Noise Pollution                             | Dr. P. Schomer    | COMM (217) 373-7229<br>(800) 872-2375, Ext 229 | CERL                |
| Sanitary Landfill                           | Dr. E. Smith      | COMM (217) 373-7232<br>(800) 872-2375, Ext 232 | CERL                |
| Water & Waste Water Treatment               | Dr. E. Smith      | COMM (217) 373-7232<br>(800) 872-2375, Ext 232 | CERL                |

RESEARCH AREASCONTACTTELEPHONE NUMBERORGANIZATIONINSTALLATION SUPPORT (MIL) (CON'T)

|   |                                     |  |                      |
|---|-------------------------------------|--|----------------------|
| Corrosion Maintenance<br>Management Systems | Dr. A. Kumar                        | COMM (217) 373-7235<br>(800) 872-2375, Ext 235     | CERL                 |
| Paint Maintenance<br>Management Systems     | Ms. S. Johnston<br>Mr. T. Race      | COMM (217) 373-6769<br>(800) 872-2375, Ext 469/769 | CERL                 |
| Plant Growth Regulators                     | Dr. H. E. Westerdahl                | COMM (601) 634-3860                                | CEWES-ES-A           |
| Railroad Maintenance<br>Management Systems  | Mr. D. Uzarski                      | COMM (217) 373-6701<br>(800) 872-2375, Ext 701     | CERL                 |
| Roof Maintenance<br>Management Systems      | Mr. D. Bailey                       | COMM (217) 373-6756<br>(800) 872-2375, Ext 756     | CERL                 |
| Paint Testing                               | Mr. A. Beitelman                    | COMM (217) 373-7237<br>(800) 872-2375, Ext 237     | CERL                 |
| Roof Repair, Temperature<br>Climates        | Mr. D. Bailey                       | COMM (217) 373-6756<br>(800) 872-2375, Ext 756     | CERL                 |
| Training Range Management<br>Systems        | Mr. R. Riggins                      | COMM (217) 373-7234<br>(800) 872-2375, Ext 234     | CERL                 |
| Training Range Facilities                   | Dr. R. Brauer                       | COMM (217) 373-6714<br>(800) 872-2375, Ext 714     | CERL                 |
| Underground Pipe Distribution<br>Systems    | Ms. E. Segan                        | COMM (217) 352-6511<br>(800) 872-2375, Ext 456     | CERL                 |
| Energy Conservation -<br>Cold Regions       | Mr. G. Phetteplace<br>Dr. J. Martel | COMM (603) 646-4248<br>COMM (603) 646-4464         | CECRL-EA<br>CECRL-EC |

| <u>RESEARCH AREAS</u>                     | <u>CONTACT</u>        | <u>TELEPHONE NUMBERS</u>                       | <u>ORGANIZATION</u> |
|---|-----------------------|--|---------------------|
| <u>INSTALLATION SUPPORT (MIL) (CON'T)</u> |                       |  |                     |
| Sanitary Engineering                      | Mr. S. Reed           | COMM (603) 646-4443                            | CECRL-EC            |
|   | Dr. J. Martel         | COMM (603) 646-4464                            | CECRL-EC            |
| Railroads                                 | Mr. D. M. Coleman     | COMM (601) 634-2206                            | CEWES-GP            |
| Roads and Streets                         | Mr. T. W. Vollor      | COMM (601) 634-2206                            | CEWES-GP            |
| Roofing Systems -<br>Cold Regions         | Mr. W. Tobiasson      | COMM (603) 646-4223                            | CECRL-EC            |
| Cold Regions                              | Mr. W. Tobiasson      | COMM (603) 646-4223                            | CECRL-EC            |
| Underground Utilities                     | Ms. S. Bigl           | COMM (603) 646-4475                            | CECRL-EC            |
| Landfill Performance<br>Evaluations       | Dr. P. R. Schroeder   | COMM (601) 634-3709                            | CEWES-EE-R          |
| Hazardous & Toxic Waste<br>Management     | Mr. N. R. Francingues | COMM (601) 634-3703                            | CEWES-EE-S          |
| Water Distribution Systems                | Mr. D. Chase          | COMM (601) 634-3931                            | CEWES-EE-R          |
| <u>OPR &amp; MAINT (CW)</u>               |                       |  |                     |
| Facilities Engineering<br>Management      | Mr. R. Blackmon       | COMM (217) 373-7272<br>(800) 872-2375, Ext 272 | CERL                |
| Corrosion Abatement                       | Dr. A. Kumar          | COMM (217) 373-7235<br>(800) 872-2375, Ext 235 | CERL                |
| Management and Repair<br>Techniques       | Dr. M. Shahin         | COMM (217) 373-7209<br>(800) 872-2375, Ext 209 | CERL                |

RESEARCH AREASCONTACTTELEPHONE NUMBERORGANIZATIONOPR & MAINT (CW) (CON'T)Roof Repair, Temperate  
Climates

Mr. D. Bailey

COMM (217) 373-6756  
(800) 872-2375, Ext 756

CERL

Paints and Protective  
Coatings

Mr. A. Beitelman

COMM (217) 373-7237  
(800) 872-2375, Ext 237

CERL

Electrical and Mechanical

Dr. A. Kumar

COMM (217) 373-7235  
(800) 872-2375, Ext 235

CERL

Ice Hydraulics

Mr. J. Zufelt

COMM (603) 646-4325

CECRL-EI

Ice Forces

Dr. D. Sodhi

COMM (603) 646-4267

CECRL-EI

Winter Navigation

Dr. J. C. Tatinclaux

COMM (603) 646-4249

CECRL-EI

Roofs (Cold Regions)

Mr. W. Tobiasson

COMM (603) 646-4223

CECRL-EC

Foundations (Cold Regions)

Mr. F. Crory

COMM (603) 646-4373

CECRL-EC

Frozen Soils

Dr. R. Berg  
Mr. E. ChamberlainCOMM (603) 646-4335  
COMM (603) 646-4236CECRL-EE  
CECRL-EA

Pavements

Mr. H. Ulery

COMM (601) 634-3304

CEWES-GP

Pavements (Cold Regions)

Mr. R. Eaton

COMM (603) 646-4209

CECRL-EE

Sanitary Engineering

Mr. S. Reed

COMM (603) 646-4443

CECRL-EC

River Ice Management

Mr. K. Carey

COMM (603) 646-4276

CECRL-EI

Dredging

Mr. L. Decell  
Mr. E. Clark McNairCOMM (601) 634-3494  
COMM (601) 634-3674CEWES-EP-A  
CEWES-HE-E

| <u>RESEARCH AREAS</u>                                   | <u>CONTACT</u>                      | <u>TELEPHONE NUMBERS</u>                   | <u>ORGANIZATION</u>      |
|---|-------------------------------------|--|--------------------------|
| <u>OPR &amp; MAINT (CW) (CON'T)</u>                     |                                     |  |                          |
| Dredging (Operations)                                   | Mr. C. C. Calhoun, Jr.              | COMM (601) 634-2001                        | CEWES-CV-A               |
| Foundations (Remedial)                                  | Mr. G. B. Mitchell                  | COMM (601) 634-264-                        | CEWES-GE                 |
| Concrete  | Mr. K. L. Jaucier                   | COMM (601) 634-3277                        | CEWES-SC                 |
| Acquatic Plant Control                                  | Mr. J. L. Decell                    | COMM (601) 634-3493                        | CEWES-EP                 |
| Streambank Erosion                                      | Mr. N. R. Oswalt                    | COMM (601) 634-3895                        | CEWES-HS-S               |
| Soil Erosion  | Dr. E. B. Perry                     | COMM (601) 634-2670                        | CEWES-GE                 |
| Water Quality   | Mr. J. L. Decell                    | COMM (601) 634-3494                        | CEWES-EV                 |
| Dredged Material  | Mr. E. C. McNair, Jr.               | COMM (601) 634-3634                        | CEWES-HE-E               |
| Dredged Material<br>(Environmental)                     | Mr. R. M. Engler<br>Mr. T. R. Patin | COMM (601) 634-3624<br>COMM (601) 634-3444 | CEWES-EP-D<br>CEWES-EP-D |
| Dredged Material  | Mr. C. C. Calhoun, Jr.              | COMM (601) 634-2001                        | CEWES-CV                 |
| Repair, Evaluation, Maint.<br>and Rehabilitation (REMR) | Mr. W. F. McCleese                  | COMM (601) 634-2512                        | CEWES-SC                 |
| Concrete and Steel Structures                           | Mr. J. E. McDonald                  | COMM (601) 634-3230                        | CEWES-SC                 |
| Geotechnical (Soils)                                    | Mr. G. B. Mitchell                  | COMM (601) 634-2640                        | CEWES-GE                 |
| Geotechnical (Rocks)                                    | Mr. J. S. Huie                      | COMM (601) 634-2613                        | CEWES-GR                 |
| Hyrdraulics   | Mr. G. Pickering                    | COMM (601) 634-3344                        | CEWES-HS                 |

| <u>RESEARCH AREAS</u>                    | <u>CONTACT</u>   | <u>TELEPHONE NUMBERS</u>  | <u>ORGANIZATION</u>              |
|--|--|---|----------------------------------|
| <u>OPR &amp; MAINT (CW) (CON'T)</u>      |  |   |                                  |
| Coastal                                  | Mr. D. D. Davidson                                     | COMM (601) 634-2722   | CEWES-CW                         |
| Natural Resources<br>Management          | Mr. J. L. Decell                                       | COMM (601) 634-3494   | CEWES-EP                         |
| Recreation                               | Mr. J. L. Decell                                       | COMM (601) 634-3494   | CEWES-EP                         |
| <u>ENERGY TECHNOLOGY</u>                 |  |   |                                  |
| Energy Systems Design                    | Ms. L. Lawrie  | COMM (217) 373-7282<br>(800) 872-2375, Ext 282                    | CERL                             |
| Energy Systems Management                | Ms. L. Lawrie  | COMM (217) 373-7282<br>(800) 872-2375, Ext 282                    | CERL                             |
| Energy Management and<br>Control Systems | Mr. D. Herron  | COMM (217) 373-7278<br>(800) 872-2375, Ext 278                    | CERL                             |
| Energy Conservations                     | Mr. L. Windingland                                     | COMM (217) 373-7277<br>(800) 872-2375, Ext 277                    | CERL                             |
| Solar Energy and Alternate<br>Sources    | Dr. D. Joncich   | COMM (217) 373-7281<br>(800) 872-2375, Ext 281                    | CERL                             |
| Coal                                     | Mr. G. Schanche  | COMM (217) 373-7279<br>(800) 872-2375, Ext 279                    | CERL                             |
| Waste and Refuse Derived<br>Fuel         | Mr. G. Schanche  | COMM (217) 373-7279<br>(800) 872-2375, Ext 279                    | CERL                             |
| Energy Conservation -<br>Cold Regions    | Mr. G. Phetteplace<br>Dr. J. Martel<br>Mr. S. Flanders | COMM (603) 646-4248<br>COMM (603) 646-4464<br>COMM (603) 646-4302 | CECRL-EA<br>CECRL-EC<br>CECRL-EC |



| <u>RESEARCH AREAS</u>  | <u>CONTACT</u>  | <u>TELEPHONE NUMBERS</u>           | <u>ORGANIZATION</u> |
|--|-----------------|------------------------------------|---------------------|
| <u>COLD REGIONS SCIENCE TECHNOLOGY</u>                             |                 |                                    |                     |
| Frost Effects in Soil for Pavements and Foundations                | Mr. W. F. Quinn | COMM (603) 646-4471                | CECRL-EC            |
| Soil Mechanics   | Dr. O. Ayorinde | COMM (603) 646-4317                | CECRL-RC            |
| Non-Destructive Testing for Geotechnical Research in Cold Regions  | Dr. O. Ayorinde | COMM (603) 646-4317                | CECRL-RC            |
| Hazardous Waste  | Dr. I. Iskandar | COMM (603) 646-4198                | CECRL-RC            |
| Analytical Chemistry   | Mr. T. Jenkins  | COMM (603) 646-4385                | CECRL-RC            |
| Revegetation   | Mr. A. Palazzo  | COMM (603) 646-4374                | CECRL-RC            |
| Chemical Transport of Contamination in Soil                        | Dr. I. Iskandar | COMM (603) 646-4198                | CECRL-RC            |
| Atmospheric Physics Electron Microscope                            | Dr. M. Kumai    | COMM (603) 646-4452                | CECRL-RC            |
| <u>ETL MISCELLANEOUS SUPPORT AREAS</u>                             |                 |                                    |                     |
| Litigation Against Government-Alleged Adverse Environmental Impact | Mr. R. E. Frost | AV 345-2694<br>COMM (202) 355-2694 | ETL                 |