

P892-201102

NIST-114A (REV. 3-80)		U.S. DEPARTMENT OF COMMERCE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY		1. PUBLICATION OR REPORT NUMBER NIST/SP-835
BIBLIOGRAPHIC DATA SHEET				2. PERFORMING ORGANIZATION REPORT NUMBER
				3. PUBLICATION DATE April 1992
4. TITLE AND SUBTITLE List of Publications 1969-1991, Panel on Wind and Seismic Effects				
5. AUTHOR(S) Noel J. Raufaste, Ed.				
6. PERFORMING ORGANIZATION (IF JOINT OR OTHER THAN NIST, SEE INSTRUCTIONS) U.S. DEPARTMENT OF COMMERCE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY GAITHERSBURG, MD 20899			7. CONTRACT/GRANT NUMBER	
			8. TYPE OF REPORT AND PERIOD COVERED Final	
9. SPONSORING ORGANIZATION NAME AND COMPLETE ADDRESS (STREET, CITY, STATE, ZIP) U.S.-Japan Panel on Wind and Seismic Effects Bilateral U.S.-Japan Program in Natural Resources				
<i>NIST CATEGORY # 140</i>				
10. SUPPLEMENTARY NOTES				
11. ABSTRACT (A 200-WORD OR LESS FACTUAL SUMMARY OF MOST SIGNIFICANT INFORMATION. IF DOCUMENT INCLUDES A SIGNIFICANT BIBLIOGRAPHY OR LITERATURE SURVEY, MENTION IT HERE.) This publication communicates the results of the work of the Panel on Wind and Seismic Effects during the period 1969 through 1991. The Panel is one of 16 Panels comprising the U.S.-Japan Cooperative Program in Natural Resources. Publications constitute a major end product of the Panel's efforts. This publication is divided into five chapters: 1. Panel background and activities; 2. information about using this publication; 3. title index of Panel publications from 1969 through 1991; 4. title index of Task Committee publications from 1969 through 1991; and 5. author listing.				
12. KEY WORDS (6 TO 12 ENTRIES; ALPHABETICAL ORDER; CAPITALIZE ONLY PROPER NAMES; AND SEPARATE KEY WORDS BY SEMICOLONS) earthquakes; large-scale testing; lifeline; repair and retrofit; seismic control systems; seismic design; soil behavior; storm surge; structural performance; tsunamis; wind				
13. AVAILABILITY			14. NUMBER OF PRINTED PAGES	
<input checked="" type="checkbox"/> UNLIMITED FOR OFFICIAL DISTRIBUTION. DO NOT RELEASE TO NATIONAL TECHNICAL INFORMATION SERVICE (NTIS).			97	
<input checked="" type="checkbox"/> ORDER FROM SUPERINTENDENT OF DOCUMENTS, U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, DC 20540.			15. PRICE	
<input checked="" type="checkbox"/> ORDER FROM NATIONAL TECHNICAL INFORMATION SERVICE (NTIS), SPRINGFIELD, VA 22161.				

ELECTRONIC FORM

* U.S. G.P.O.:1992-311-891:60467

PB92-201102

NIST Special Publication 835

List of Publications 1969 – 1991

Panel on Wind and Seismic Effects

Panel on Wind and Seismic Effects

of

U.S.-Japan Cooperative Program in Natural Resources

**United States Department of Commerce
Technology Administration
National Institute of Standards and Technology**

REPRODUCED BY
U.S. DEPARTMENT OF COMMERCE
NATIONAL TECHNICAL INFORMATION SERVICE
SPRINGFIELD, VA 22161

T

Technology Services
2000

2000

Electronics and Electrical Engineering Laboratory
• Microelectronics
• Power Electronics
• Electromagnetics
• Instrumentation
• Control Systems

Chemical Science and Technology Laboratory
• Reaction Kinetics
• Catalysis
• Polymer Chemistry
• Analytical Chemistry
• Organic Synthesis
• Process Measurement
• Surface and Materials Science
• Thermodynamics

Physics Laboratory
• Electron and Optical Physics
• Atomic Physics
• Molecular Physics
• Radiometric Physics
• Quantum Metrology
• Ionizing Radiation
• Time and Frequency
• Quantum Physics

Manufacturing and Production

Automotive and Engineering Laboratory
• Vehicle Dynamics
• Engine Performance
• Powertrain
• Emissions

Building and Fire Research Laboratory
• Building Systems
• Fire Dynamics
• Environmental Engineering
• Materials and Structures

Computer Systems Laboratory
• Embedded Systems Engineering
• Systems and Software Technology
• Computer Security
• Systems and Network Architecture
• Virtual Systems

Computing and Applied Mathematics Laboratory
• Applied and Computational Mathematics
• Statistical Engineering
• Scientific Computing Environments
• Computer Services
• Computer Systems and Communications
• Information Systems

*At Boulder, CO 80303
Some elements at Boulder, CO 80501

NIST Special Publication 835

List of Publications 1969 – 1991

Panel on Wind and Seismic Effects

Ken-ichi Tokida, Japan and Noel J. Raufaste, NIST, Editors

Building and Fire Research Laboratory
National Institute of Standards
and Technology
Gaithersburg, MD 20899

Japan Ministry of Construction
Public Works Research Institute
Tsukuba, Japan

April 1992



U.S. Department of Commerce
Barbara Hackman Franklin, Secretary

Technology Administration
Robert M. White, Under Secretary for Technology

National Institute of Standards and Technology
John W. Lyons, Director

**National Institute of Standards and Technology Special Publication 835,
Natl. Inst. Stand. Technol. Spec. Publ. 835, 97 pages (Apr. 1992)
CODEN: NSPUE2**

**U.S. GOVERNMENT PRINTING OFFICE
WASHINGTON: 1992**

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402-9325

ABSTRACT

This publication communicates the results of the work of The Panel on Wind and Seismic Effects during the period 1969 through 1991. The Panel is one of 16 Panels comprising the U.S.-Japan Cooperative Program in Natural Resources. Publications constitute a major end product of the Panel's efforts. This publication is divided into five chapters: 1. Panel background and activities; 2. information about using this publication; 3. title index of Panel publications from 1969 through 1991; 4. title index of Task Committee publications from 1969 through 1991; and 5. author listing.

LIST OF PUBLICATIONS 1969 - 1991

PANEL ON WIND AND SEISMIC EFFECTS

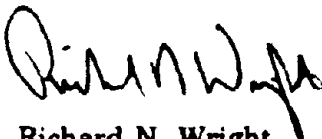
PREFACE

The Panel on Wind and Seismic Effects is one of 16 Panels making up the United States-Japan Cooperative Program in Natural Resources. The Panel's focus is on promoting the exchange of wind and seismic technology to better reduce structural, building, and lifeline damages caused by strong wind, earthquakes, high tides, and tsunamis.

The idea of creating a List of Publications of this Panel's work first surfaced in 1988 for the occasion of its 20th anniversary. Three years later this idea was brought to realization in support of the International Decade for Natural Disaster Reduction (IDNDR). This List notifies the many organizations and individuals within IDNDR countries about the availability of this Panel's technologies.

The Japan-side Panel collected and categorized the papers which make up the listings. These papers represent 23 years of collaborations between the United States and Japanese government researchers. Over 1200 papers were published during this time. Collectively, they make a valuable contribution to the literature and is an important resource for international cooperation.

We the chairman of the Panel on Wind and Seismic Effects are pleased to be part of this major undertaking which has produced a useful resource of technologies in wind and earthquake engineering including storm surge and tsunamis. We thank all the authors found in the following pages for their useful contributions to their field of work. Their contribution form the basis for major improvements to U.S. and Japan design and construction practices.



Richard N. Wright
Chairman, U.S.-side Panel
Director
Building and Fire Research Laboratory
National Institute of Standards and Technology



Toshio Iwasaki
Chairman, Japan-side Panel
Director-General
Public Works Research Institute

CONTENTS

PREFACE

1.	BACKGROUND	ix
2.	USING THIS PUBLICATION	xi
3.	PUBLISHED REPORTS INDEX of JOINT PANEL MEETING	1
4.	PUBLISHED REPORTS INDEX of TASK COMMITTEES	41
	TASK COMMITTEE "C"	41
	TASK COMMITTEE "D"	46
	TASK COMMITTEE "E"	48
	TASK COMMITTEE "F"	49
	TASK COMMITTEE "H"	51
	TASK COMMITTEE "I"	53
	TASK COMMITTEE "J"	55
5.	AUTHOR'S INDEX	67

1. BACKGROUND

Responding to the need for improved engineering and scientific practices through exchange of technical data and information, research personnel, and research equipment, the United States and Japan in 1961 created the U.S.-Japan Cooperative Science Program. Three collateral programs comprise the Cooperative Science Program. The U.S.-Japan Cooperative Program in Natural Resources (UJNR), one of the three, was created in January 1964. The objective of UJNR is to exchange information on research results and exchange scientists and engineers in the area of natural resources for the benefit of both countries. UJNR is composed of 17 Panels each responsible for specific technical subjects.

The Panel on Wind and Seismic Effects was established in 1969. Sixteen U.S. and six Japanese agencies participate with representatives of private sector organizations, to develop and exchange technologies aimed at reducing damages from high winds, earthquakes, storm surge, and tsunamis. This work is produced through collaboration between U.S. and Japanese member researchers working in 11 task committees. Each committee focuses on specific technical issues, e.g., earthquake strong motion data. The Panel provides the vehicle to exchange technical data and information on design and construction of civil engineering lifelines, buildings, and water front structures, and to exchange high wind and seismic measurement records. Annual meetings alternate between the U.S. and Japan (even numbered years in the U.S.; odd numbered years in Japan). These one-week technical meetings provide the forum to discuss ongoing research and research results; one-week technical study tours follow the meetings.

The National Institute of Standards and Technology (NIST) provides the U.S.-side chairman and secretariat. The Public Works Research Institute (PWRI) provides the Japan-side chairman and secretariat.

Cooperative research is performed through formal Panel Programs. Six joint cooperative programs have been initiated. The first was cooperative research on reinforced concrete structures that was performed during 1979-1987. The second, cooperative research for steel structures conducted during 1982-1987. The third joint research project, lifeline facilities, was started in 1982 and is continuing. The fourth program, in-situ testing methods for liquefaction was initiated in 1983 and completed in 1986. In 1984, the fifth joint research program was started on masonry building structures; it is nearing completion. The sixth coordinated program is on precast seismic structural systems; it was initiated in 1991.

Task Committee meetings, exchanges of data and information through technical presentations at annual Panel Meetings, exchanges of guest researchers, visits to respective research laboratories and informal interactions between Panel Meetings, joint workshops and seminars, and joint cooperative research programs all contribute to the development and effective delivery of knowledge that has influenced design and construction practices in both countries.

Direct communication between counterpart country organizations is the cornerstone of the Panel. Effective information exchanges and exchanges of personnel and equipment have strengthened domestic programs of both countries. There are opportunities for experts in various technical fields to get to know their foreign counterparts, conduct

informal exchanges, bring their respective views to the frontiers of knowledge, and advance knowledge of their specialities.

The Panel's results have supported improvements in practices in both countries. They have;

1. created and exchanged digitized earthquake records for use as the basis of research for U.S. and Japanese geotechnics and structures;
2. produced data that advanced U.S. and Japan design and construction of bridge columns;
3. produced large-scale testing data that advanced seismic design standards for buildings;
4. created a database comparing U.S. and Japanese standard penetration tests to improve seismic design criteria for soil liquefaction;
5. created databases on storm surge and shore line interaction and on tsunamis and tsunami warning systems for use by designers to verify mathematical models of tsunamis and storm surge.

The Task Committees (T/C) are;

- T/C "A". Strong-Motion Instrumentation Arrays and Data
- T/C "B". Large-Scale Testing Programs
- T/C "C". Repair and Retrofit of Existing Structures
- T/D "D". Evaluation of Structural Performance
- T/C "E". Ground Motion and Seismic Design Forces Program
- T/C "F". Disaster Prevention Methods for Lifelines Systems
- T/C "G". Wind Characteristics and Structural Response
(Merged with T/C "D", 1988)
- T/C "G". Passive, Active, and Hybrid Control Systems (Created 1990)
- T/C "H". Soil Behavior and Stability during Earthquakes
- T/C "I". Storm Surge and Tsunamis
- T/C "J". Wind and Earthquake Engineering for Transportation Systems
- T/C "K". Wind and Earthquake Engineering for Offshore and Coastal Facilities

2. USING THIS PUBLICATION

2.1 GENERAL

Publications constitute a major end produce to the Panel's efforts. This report lists the Panel of Wind and Seismic Effects papers published during the period April 1969 through May 1991.

Published papers are found in Chapters 3 and 4 while Chapter 5 presents the Author's Index. Chapter 3 lists those papers published from Joint Meeting through the 23rd meeting. Chapter 4 lists those papers published by the Panels 11 Task Committees. Both sections list the papers in chronological order starting with the earliest paper. The Author's Index lists, in alphabetical order, all Panel Authors. Their respective papers are denoted by a four digit number used to identify their respective papers in Chapter 3 and/or 4.

An example below, illustrates information for the papers presented at the Joint Meetings. The listings are preceded by a four digit code, followed by a one or two digit code, followed by a letter code. These codes are illustrated in the example by a), b), and c). Where a) is the report designation number within a group of reports prepared for a particular Joint Meeting. The b) code designates the Joint Meeting, its date, and location. The c) code designates the subject theme.

0651^{a)}, 20^{b)}, B^{c)}
**In Situ Measurement of Pore Pressure
Build-Up during Liquefaction**
Thomas L. Holzer, Michael J. Bennett : USGS
T. Leslie Youd : Brigham Young University

For the papers published by the Panel's Task Committees, the listings are preceded by a one letter code and four digit code, followed by a one or two letter code and one digit code. These codes are illustrated in the example by a) and b). Where a) is the report designation number within a group of reports prepared for a particular Workshop. The b) code designates the Task Committee, its date, and location.

C0016^{a)}, C2^{b)}
**Development of Post-Earthquake Measures
for Buildings and Structures Damaged by
Earthquakes**
Eiichi Kuribayashi, Masaya Hirose, Tatsuo Murota
: PWRI

2.2 SAMPLE LISTING

1) JOINT PANEL MEETING

a) Paper Number

Paper Number	Joint Meeting
0001 - 0018	1
0019 - 0036	2
0037 - 0058	3
0059 - 0077	4
0078 - 0103	5
0104 - 0132	6
0133 - 0164	7
0165 - 0204	8
0205 - 0235	9
0236 - 0273	10
0274 - 0315	11
0316 - 0349	12
0350 - 0396	13
0397 - 0435	14
0436 - 0479	15
0480 - 0523	16
0524 - 0570	17
0571 - 0608	18
0609 - 0642	19
0643 - 0677	20
0678 - 0710	21
0711 - 0748	22
0749 - 0795	23

b) Joint Meeting Number

No.	Date	Location
1	Apr. '69	Tokyo
2	May '70	Washington D.C.
3	May '71	Tokyo
4	May '72	Washington D.C.
5	May '73	Tokyo
6	May '74	Washington D.C.
7	May '75	Tokyo
8	May '76	Washington D.C.
9	May '77	Tokyo
10	May '78	Washington D.C.
11	Sept. '79	Tokyo
12	May '80	Washington D.C.
13	May '81	Tsukuba
14	May '82	Washington D.C.
15	May '83	Tsukuba
16	May '84	Gaithersburg
17	May '85	Tsukuba
18	May '86	Gaithersburg
19	May '87	Tsukuba

20	May '88	Gaithersburg
21	May '89	Tsukuba
22	May '90	Gaithersburg
23	May '91	Tsukuba

c) Subject Theme

A: Wind Engineering
 B: Earthquake Engineering
 C: Storm Surge and Tsunami
 D: Joint Cooperative Research Program
 Z: Others

d) Affiliation

U.S. side ;

Department of Commerce, National Bureau of Standards (NBS) [1901~1988]
 Department of Commerce, National Institute of Standards and
 Technology (NIST) [1989~]
 Department of Commerce, National Oceanic and Atmospheric
 Administration (NOAA)
 U.S. Nuclear Regulatory Commission (NRC)
 Department of Interior, Bureau of Reclamation (BUREC)
 Department of Housing and Urban Development (HUD)
 Department of Transportation, State of California (CALTRANS)
 International Development Cooperation Agency, Agency for International
 Development (AID)
 Federal Emergency Management Agency (FEMA)
 Development of State, Office of Foreign Buildings (OFB)
 Veterans Administration (DV) [~1990]
 Department of Veterans Affairs (DVA) [1990~]
 Department of Agriculture, Forest Service (FS)
 Department of Navy, Naval Facilities Engineering Command (NAVFAC)
 Department of Navy, Naval Civil Engineering Laboratory (NCEL)
 Department of Transportation, Federal Highway Administration (FHWA)
 National Science Foundation (NSF)
 Department of Interior, U.S. Geological Survey (USGS)
 Department of Army, Corps of Engineers (CORPS)
 Department of Army, Waterways Experiment Station (WES)

Japan side ;

National Research Center for Disaster Prevention, Science and
 Technology Agency (NRCDP) [- 1990]
 National Research Institute for Earth Science and Disaster Prevention,
 Science and Technology Agency (NIED) [1991 -]
 Port and Harbour Research Institute, Ministry of Transport (PHRI)
 Meteorological Research Institute, Japan Meteorological Agency (MRI)
 Geographical Survey Institute, Ministry of Construction (GSI)
 Public Works Research Institute, Ministry of Construction (PWRI)
 Building Research Institute, Ministry of Construction (BRI)

2) TASK COMMITTEE

a) Paper Number

Paper Number	Workshop Number
C0001 - C0012	C1
C0013 - C0030	C2
C0031 - C0051	C3
C0052 - C0079	C4
C0080 - C0098	C5
D0001 - D0017	D1
D0018 - D0035	D2
D0036 - D0045	D3
E0001 - E0015	E1
F0001 - F0017	F2
F0018 - F0039	F3
H0001 - H0008	H1
H0009 - H0014	H2
H0015 - H0033	H3
I0001 - I0024	I2
J0001 - J0039	J1
J0040 - J0060	J2
J0061 - J0087	J3
J0088 - J0118	J4
J0119 - J0141	J5
J0142 - J0181	J6
J0182 - J0213	J7
J0214 - J0232	JR1

b) Workshop Number

T/C	No.	Date	Location	Remarks
A	1	Aug. '87	Menlo Park	
B	1	Mar. '84	Tsukuba	
C	1	May '80	Los Angels	
	2	May '81	Tsukuba	
	3	May '82	San Francisco	
	4	May '87	Tsukuba	
	5	May '90	Gaithersburg	Cooperated with T/C "D"
D	1	May '83	Tsukuba	
	2	Jul. '84	Barkeley	
	3	May '85	Tokyo	
E	1	May '91	Tsukuba	
F	1	May '84	McLean	
	2	Dec. '84	Tsukuba	
	3	May '89	Tsukuba	
H	1	Aug. '85	San Francisco	
	2	May '88	Jackson Hole	
	3	Jan. '91	Tsukuba	
I	1	May '83	Tsukuba	
	2	Nov. '90	Honolulu	
J	1	Feb. '84	Tsukuba	
	2	Aug. '85	San Francisco	
	3	May '87	Tsukuba	
	4	May '88	San Diego	
	5	May '89	Tsukuba	
	6	May '90	Lake Tahoe	
	7	May '91	Tsukuba	
JR	1	Dec. '90	Tsukuba	Workshop on Seismic Retrofit of Bridge

c) Affiliation

The affiliation of the first author is presented.

2.3 ORDERING INFORMATION

Persons interested in ordering copies of the Panel's annual Proceedings, Wind and Seismic Effects, and the Workshop's Proceedings should contact with the Secretary-General, UJNR Panel, although not all papers listed are available.

**Secretary-General, U.S. side UJNR Panel :
Cooperative Research Programs
Building and Fire Research Laboratory
National Institute of Standards and Technology
Gaithersburg, Maryland, 20899
U.S.A.**

**National Technical Information Service
Springfield, VA 22161.
U.S.A.**

**Secretary-General, Japan side UJNR Panel :
Planning and Research Administration Department
Public Works Research Institute
Ministry of Construction
1, Asahi, Tsukuba, Ibaraki, 305
Japan**

**PUBLISHED REPORTS INDEX of
JOINT PANEL MEETINGS**

3. PUBLISHED REPORTS INDEX of JOINT PANEL

- 0001, 1, A
Wind Measurement for Structural Design
H.C.S. Thom : Environmental Science Services
Administration
- 0002, 1, B
**Comments on Earthquake Records and
Analysis**
William K. Cloud : Coast and Geodetic Survey, HUD
- 0003, 1, A,B
**The Relation between Codes and Standards
Criteria for Wind and Seismic Considerations
and the Design and Construction of Federal
Buildings in the United States**
George B. Begg : General Service Administration
- 0004, 1, C
**The March 1964 Tsunami - Its Effects on
Ports and Harbors**
Charles E. Lee : CORPS
- 0005, 1, B
**Earth Structures and Foundations Subject to
Seismic Loading**
H.J. Gibbs : BUREC
- 0006, 1, A,B
**Current States of Design of Bridges in the
United States for Resistance to Wind Effects
and Seismic Forces**
Charles F. Scheffey : FHWA
- 0007, 1, B
**The Problem of Ground Amplification and
Ground Failure in Earthquake-Resistant
Design**
William B. Joyner : USGS
- 0008, 1, A
Windstorm Insurance in the United States
Thomas R. Callaway : HUD
- 0009, 1, B
**Program for Insurance against Earthquake
Damage**
John T. Dressel : Coast and Geodetic Survey, HUD
- 0010, 1, A
**Surveys on Damage to Structures Caused by
Strong Winds**
Warren A. Shaw : NCEL
- 0011, 1, A
**Present Circumstances of Strong Wind
Observation in Japan**
Jiro Kawase : MRI
- 0012, 1, B
**Present Status of the Observation of Strong-
Motion Earthquakes in Japan**
Toshiji Ariga : NRCDP
- 0013, 1, A,B
**Requirements for Structural Design of
Buildings against Wind and Seismic Effects**
Yorihiko Ohsaki : BRI
- 0014, 1, B
**Current Procedure for Earthquake Resistant
Design of Harbour Structures in Japan**
Satoshi Hayashi : PHRI
- 0015, 1, B
Earth Structures
Masami Fukuoka : PWRI
- 0016, 1, A,B
**Specifications for Wind and Earthquake
Resistant Design of Highway Bridges in Japan**
Yasuo Tada : PWRI
- 0017, 1, B
Seismicity of Japan
Shun-ichiro Omote : BRI
- 0018, 1, A
**A Review on the Problems in Wind-Resistant
Design of Structures**
Tadayoshi Ohkubo : PWRI
- 0019, 2, A
**A Survey Paper on the Wind Loading of
Structures**
Richard D. Marshall : NBS
H.C.S. Thom : Environmental Science Services
Administration
- 0020, 2, A
**Present Status of Strong Wind Characteristics
Studies (in Japanese)**
Seiji Soma, Tatsumi Kitaoka : MRI
- 0021, 2, A
**Vertical Attack Angles of Natural Wind
(in Japanese)**
Tadayoshi Ohkubo, Nobuyuki Narita : PWRI
- 0022, 2, A
**Estimation of Expected Maximum Wind
Velocity (in Japanese)**
Tatsumi Kitaoka : MRI

- 0023, 2, B
Report on Seismic Damage and Strong Motion Results Santa Rosa, California, Earthquakes of October 1, 1969
 William K. Cloud, Leonard M. Murphy : Coast and Geodetic Survey, HUD
- 0024, 2, B
Report on the Port and Harbour Damage Caused by the Tokachi-oki Earthquake of 1968 (in Japanese)
 Satoshi Hayashi : PHRI
- 0025, 2, B
Specific Recent Strong Motion Records in Japan (in Japanese)
 Shun-ichiro Omote, Yorihiro Ohsaki, Makoto Watabe, Yoji Murata : BRI
- 0026, 2, B
Survey on the Disaster due to the Tokachi-Oki Earthquake, 1968 - Roads, Rivers and Highways Bridge -
 Masami Fukuoka, Eiichi Kuribayashi : PWRI
- 0027, 2, A
Experiments on Full Scale Suspension Bridges
 Charles F. Scheffey : FHWA
- 0028, 2, B
Revise of Seismic Design Specifications for Highway Bridges (in Japanese)
 Yasuo Tada : PWRI
- 0029, 2, B
Bureau of Reclamation Development Work in Earthquake Engineering Design
 Jack W. Hilf : BUREC
- 0030, 2, B
Damage to Structures by the Tokachi-Oki Earthquake, 1968 and Influences on Structural Design of Buildings
 Yorihiro Ohsaki, Taneo Endo : BRI
- 0031, 2, B
"On the Present Situation of Practical Planning and Zoning to Prevent the Earthquake Disaster" in Japan
 Yorihiro Ohsaki, Makoto Watabe : BRI
- 0032, 2, Z
Port and Harbor Research by the Corps of Engineers
 Charles E. Lee : CORPS
- 0033, 2, B
Problems of the Seismic Design Standards for Port and Harbour Structures in Japan (in Japanese)
 Satoshi Hayashi : PHRI
- 0034, 2, B
Foundations Investigations for Seismic Effects
 H.J. Gibbs : BUREC
- 0035, 2, B
Seismic Design of Earth Structures and Foundations (in Japanese)
 Masami Fukuoka : PWRI
- 0036, 2, A
Study on the Disasters Caused by Typhoons in Japan (in Japanese)
 Minoru Okuda, Tatsumi Kitaoka : MRI
- 0037, 3, B
MSK Intensity Scale as Compared with JMA Intensity Scale
 Takuzo Hirono, Kaoru Sato : MRI
- 0038, 3, B
The Influence of Geology on Earthquake Ground Motion-Preliminary Results from a Downhole Seismometer Array on the San Francisco Bay Shore
 William B. Joyner, Richard E. Warrick : National Center for Earthquake Research, USGS
- 0039, 3, B
On Structural Inelastic Response and Human Response as Related to the Maximum Acceleration of the Earthquakes
 Yorihiro Ohsaki, Makoto Watabe : BRI
 Kenkichi Sawada : NRCDF
- 0040, 3, B
Average Response Spectra for Various Subsoil Conditions
 Satoshi Hayashi, Hajime Tsuchida, Eiichi Kurata : PHRI
- 0041, 3, B
Vertical Ground Acceleration during Earthquake (A Preliminary Progress Report)
 William K. Cloud, Virgilio Perez : Seismological Field Survey, National Ocean Survey
- 0042, 3, B
Vibrational Characteristics of a Huge Foundation Structure
 Eiichi Kuribayashi, Toshio Iwasaki, Yutaka Iida : PWRI

- 0043, 3, B
The Impact of the San Fernando Earthquake on Veterans Administration Facilities and Design Procedures
 James Lefter : Civil Engineering Service, DV
- 0044, 3, B
Estimation of Liquefaction Potential of Sandy Soils
 Hajime Tsuchida, Satoshi Hayashi : PHRI
- 0045, 3, C
Prediction of Long Term Tsunami Inundation at Crescent City, California, U.S.A.
 Norman L. Arno, Orville T. Magoon : CORPS
- 0046, 3, B
Earth Structures under Seismic Condition
 Mineo Nagamori, Kazuya Yamamura, Yasushi Sasaki : PWRI
- 0047, 3, B
Summary of Criteria Currently Used in the United States and Japan for Investigation of Foundations for Earthquakes
 H.J. Gibbs : Engineering and Research Center, BUREC
- 0048, 3, A
Regional Characteristics of High Winds for Structural Design
 Tatsumi Kitaoka : MRI
- 0049, 3, A
Interpolation of Design Wind Speeds for Japan
 H.C.S. Thom : Environmental Data Service, NOAA
- 0050, 3, A
Full-Scale Studies of Wind Effects on Buildings in Japan
 Masanori Izumi, Mitsuo Nakahara : BRI
- 0051, 3, B
The San Fernando, California Earthquake of February 9, 1971
 H.S. Lew, R.D. Dikkers, Edgar V. Leyendecker, Edward O. Pfrang, Samuel Kramer : NBS
- 0052, 3, A
Wind Induced Oscillation of Bridge Members
 Tadayoshi Ohkubo, Nobuyuki Narita : PWRI
- 0053, 3, A
Results of Wind Tunnel Model Tests and Field Observations of Wind Effects on the Omomichi Bridge
 Tadayoshi Ohkubo, Yoshiyuki Enami : PWRI
- 0054, 3, A,B
Status Report on Research on Seismic and Wind Protection of Bridges
 Charles F. Scheffey : FHWA
- 0055, 3, B
Lateral Load Tests on Multi-Storied Full-Size Building of Reinforced Concrete Wall Construction for Earthquake Resistant Design
 Yasunori Koizumi, Masaya Hirokawa, Shin Okamoto, Tono Endo : BRI
- 0056, 3, B
Seismic Performance Criteria for Operation Breakthrough Housing Systems
 William J. Werner : HUD
- 0057, 3, A,B
An Outlook of Recent Studies in Japan on Countermeasures against Earthquake and Storm (Mainly, Studies done in Government Organs)
 Toshiji Anaga, Kenkichi Sawada : NRCDP
- 0058, 3, A,B
Current Research in Wind and Seismic Effects Carried on Through NSF
 Michael P. Gaus, Charles A. Babendreier, George K. Lea : NSF
- 0059, 4, A
Recent Studies on "Tatsumaki" (Spout) in Japan
 Ichiro Imai, Seiji Soma : MRI
- 0060, 4, A
Adjustment of Design Wind Speed for Local Conditions
 H.C.S. Thom : Environmental Data Service, NOAA
- 0061, 4, A
On the Revised Wind Resistant Design Criteria for the Proposed Honshu-Shikoku Bridges
 Tadayoshi Ohkubo, Nobuyuki Narita : PWRI
- 0062, 4, A
Inphase Characteristics of Winds to 150 meters
 John W. Kaufman, Kelly Hill : Aero-Astrodynamic Laboratory, Marshall Space Flight Center
- 0063, 4, A
Status Report on an Instrumentation System to Monitor and Record Wind Velocities, Directions, and Structural Responses at Suspension Bridge Sites
 John J. Tomko, Richard H. Gade, Charles F. Scheffey : FHWA

- 0064, 4, A
A Resume of the Aerodynamic Investigations for the Kanmon Bridge
Tadayoshi Ohkubo, Nobuyuki Narita, Yoshiyuki Enami
: PWRI
- 0065, 4, B
Some Problems in Estimating the Recurrence of Damaging Earthquakes
J.C. Stepp : Environmental Research Laboratories, NOAA
- 0066, 4, B
Characteristics of Strong Motion Accelerograms and of Damages due to Local Earthquakes
Makoto Warabe, Yutaka Matsushima, Yoshikazu Kitagawa : BRI
- 0067, 4, B
Inelastic Response of Steel Pile Structure and its Seismic Stability
Satoshi Hayashi, Hajime Tsuchida, Takamasa Inatomi : PHRI
- 0068, 4, B
Veterans Administration Earthquake Engineering Program
James Lefter : Civil Engineering Service, DV
- 0069, 4, B
Earthquake Resistability of Submerged Tunnels
Shiro Ibukiyama, Eiichi Kuribayashi, Toshio Iwasaki : PWRI
- 0070, 4, B
Performance of Building Structures during the 1971 San Fernando Earthquake
H.S. Lew : Institute for Applied Technology, NBS
- 0071, 4, B
Response Analyses of the Ground and Buildings due to Earthquakes (Summary)
Masanori Izumi, Yoshikazu Kitagawa : BRI
- 0072, 4, B
Earthquake Response of Highway Bridges and its Standardization (Summary)
Eiichi Kuribayashi, Toshio Iwasaki, Yutaka Iida : PWRI
- 0073, 4, B
General Aspect on Repair Works of Buildings Damaged by Tokachi-oki Earthquake 1968
Yasunori Koizumi, Masaya Hirose, Tetsuro Goto : BRI
- 0074, 4, A, B
Present State of Research Activity in Japan regarding Structures against Wind and Earthquake
Kenkichi Sawada : NRCDDP
- 0075, 4, B
Preparation of Seismic Micro Zoning of Chimbote Area, Peru
Yasunori Koizumi : BRI
- 0076, 4, B
Geologic Control of Destruction during the Peru Earthquake of May 31, 1970
George E. Ericksen, George Pfaffner : USGS
- 0077, 4, A
Wind Damage due to Typhoon "Yoling" (1970) in Greater Manila Area
Tadayoshi Ohkubo : PWRI
- 0078, 5, A
Properties of High Winds Caused by the Topography and Buildings
Ichiro Imai, Seiji Soma : MRI
- 0079, 5, A
The Statistical Property of Wind Speed Fluctuations in a Storm
Ichiro Imai, Shigeru Nemoto : MRI
- 0080, 5, A
An Investigation of the Aerodynamic Behavior of the Sitka Harbor Cable-Stayed Bridge
Richard H. Gade : FHWA
- 0081, 5, A
A Cable-Stayed Bridge and its Aerodynamic Design
Tadayoshi Ohkubo, Nobuyuki Narita, Koichi Yokoyama : PWRI
- 0082, 5, B
A Preliminary Strategy for Zoning the San Francisco Bay Region on the Basis of Relative Ground Motion Predictions
Roger D. Borcherdt : National Center for Earthquake Research, USGS
- 0083, 5, B
A Resume of Seismicity and Tectonics in the Andean Region
George E. Ericksen : USGS
- 0084, 5, B
Seismic Risk Estimation in the United States
S.T. Algermissen, D.M. Perkins : Seismological Research Group, NOAA

- 0085, 5, B
The Research Project on the Automatic Analysis of the Seismic Observation by the Japan Meteorological Agency
Akira Suwa, Masaji Ichikawa : MRI
- 0086, 5, B
Characteristics of Base Rock Motions Calculated from Strong Motion Accelerograms
Satoshi Hayashi, Hajime Tsuchida, Tatsuo Uwabe : PHRI
- 0087, 5, B
On the Characteristics of the Strong Earthquake Motions Observed in Japan
Makoto Watabe, Yoshikazu Kitagawa : BRI
- 0088, 5, B
The Ceri Biaxial Shock Test Machine
John J. Healy :
- 0089, 5, B
Earthquake Engineering Design of Earth Fills
Kazuya Yamamura : PWRI
- 0090, 5, B
Wood Structure Performance in an Earthquake in Anchorage, Alaska March 27, 1964
L.O. Anderson, J.A. Liska : Forest Products Laboratory, Department of Agriculture
- 0091, 5, B
Estimation of a Seismicity of Port Structures
Satoshi Hayashi, Hajime Tsuchida, Seisuo Noda : PHRI
- 0092, 5, B
Dynamic Behavior of Concrete Dams
Keith O. O'Donnell : CORPS
- 0093, 5, B
Vibration Characteristics of the North Fork Dam
Jimmy P. Balsara : WES
- 0094, 5, B
Ductility Testing of Portal Frames in a Concrete Modular Highrise Building System
William J. Werner : HUD
- 0095, 5, B
Judgement Standard for Earthquake Properties of Existing Reinforced Concrete Buildings
Kiyoshi Nakano, Masaya Hiroawa : BRI
- 0096, 5, B
Earthquake Resistant Criteria for Underground Structures
Eiichi Kuribayashi : PWRI
Toshio Iwasaki : BRI
- 0097, 5, A,B
Present State of Research Activity in Japan regarding Structures against Wind and Earthquake
Seiichi Inaba : NRCDP
- 0098, 5, B
Research Project on New Criteria for Earthquake Resistant Design for over-all Structures
Mitsuru Nagao : PWRI
- 0099, 5, B
On the Trainings in the International Institute of Seismology and Earthquake Engineering, TOKYO
Tetsuo Santo : BRI
- 0100, 5, B
Preliminary Survey on Seismology and Earthquake Engineering in the Union of Burma
Eiichi Kuribayashi : PWRI
- 0101, 5, B
Determination of Earthquake Hazards in Densely Populated Areas and Preventive Measures to be Considered in Urban Planning
Naokazu Koiwai, Katsumi Miyawaki : Yokohama City
- 0102, 5, B
Building Performance in the 1972 MANAGUA Earthquake
Richard N. Wright, Samuel Kramer : Institute for Applied Technology, NBS
- 0103, 5, B
Preliminary Report on Damage of MANAGUA Earthquake December 23, 1972
Tadayoshi Ohkubo : PWRI
Seiichi Inaba : NRCDP
Shin Okamoto : BRI
- 0104, 6, A
On the Gust Response of Long-Span Suspension Bridges (Progressive Report)
Nobuyuki Nariya, Koichi Yokoyama : PWRI
- 0105, 6, A
Extreme Winds in Hurricanes and Possibility of Modifying them
R. Cecil Gentry : Environmental Research Laboratories, NOAA
- 0106, 6, A
Extreme Winds in the United States
Arnold R. Hull, Patrick E. Hughes : Environmental Data Service, NOAA

- 0107, 6, A
Wind Tunnel Experiments for Studying a Local Wind
 Ken Suda, Seiji Soma, Kiyohide Takeuchi : MRI
- 0108, 6, A
A Study of Wind Pressures on a Single-Family Dwelling in Model and Full Scale
 Richard D. Marshall : Center for Building Technology, NBS
- 0109, 6, B
Nonlinear Calculations of Ground Response in Earthquakes
 William B. Joyner, Albert T.F. Chen, Patrick C. Doherty : USGS
- 0110, 6, B
Observation and Analysis of Ground Response in Earthquakes
 Satoshi Hayashi, Hajime Tsuchida : PHRI
- 0111, 6, B
Research Study on Liquefaction
 William F. Marcuson III : WES
- 0112, 6, B
Estimation of Liquefaction Potential by Means of Explosion Test
 Kazuya Yamamura, Yasuyuki Koga : PWRI
- 0113, 6, B
Landslide Incidence and Mechanisms during Earthquakes
 George E. Ericksen : USGS
- 0114, 6, B
Dynamics of Soil Structures and Ground Response in Earthquake Stress Condition Effects on Dynamic Properties of Soils
 Eiichi Kuribayashi : PWRI
 Toshio Iwasaki : BRI
- 0115, 6, B
Prediction of Maximum Earthquake Intensities for the San Francisco Bay Region
 Roger D. Borchardt, James F. Gibbs : USGS
- 0116, 6, Z
A Statistical Approach to Loading and Failure of Structures
 Ronald G. Merritt : U.S. Army Construction Engineering Research Laboratory
- 0117, 6, B
Synthetic Experimental Research on Ductilities of Reinforced Concrete Short Columns under Large Deflection
 Kiyoshi Nakano, Masaya Hirose : BRI
- 0118, 6, A
Nonlinear Analysis of Guyed Tower
 Stanley K. Takahashi, Warren A. Shaw : NCEL
- 0119, 6, B
The Regulation for Structural Properties of Prefabricated Dwellings
 Kiyoshi Nakano, Masaya Hirose, Tatsuo Murota : BRI
- 0120, 6, B
An Analytical Model for Determining Energy Dissipation in Dynamically Loaded System
 John F. McNamara, S.K. Sharma : University of Illinois
- 0121, 6, B
Design of Pile Foundation Subjected to Lateral Load
 Tadayoshi Ohkubo, Keiichi Komada, Asao Yamakawa : PWRI
- 0122, 6, B
Comprehensive Seismic Design Provisions for Buildings
 Charles G. Culver : Center for Building Technology, NBS
- 0123, 6, A
Wind Loading and Modern Building Codes
 Emil Simiu, Richard D. Marshall : Center for Building Technology, NBS
- 0124, 6, B
Seismic Retrofitting of Existing Highway Bridges
 James D. Cooper, R. Richard Robinson : FHWA
 Anatole Longinow : IIT Research Institute
- 0125, 6, B
Dynamic Tests of Structures by Use of Large Scale Shaking Table
 Seiichi Inaba : NRCDDP
- 0126, 6, A,B
A Methodology for Evaluation of Existing Building against Earthquake, Hurricane and Tornado
 H.S. Lew, Charles G. Culver : Center for Building Technology, NBS
- 0127, 6, B
Experimental Research on the Aseismic Characteristic of Spherical Steel Tank for Liquid Petroleum Gas
 Kiyoshi Nakano, Makoto Watabe : BRI
- 0128, 6, B
Research on Minimizing Earthquake Structural Damage to Single Family Dwellings
 William J. Werner : HUD

- 0129, 6, B
Earthquake Engineering Research Supported by the National Science Foundation
 Charles C. Thiel : Earthquake Engineering Research Applications Directorate (RANN), NSF
- 0130, 6, Z
Preliminary Report on Present Status and Development Project of Volcanological Observation and Research in Indonesia
 Akira Suwa : MRI
- 0131, 6, Z
Use of Stabilized Adobe Block and Cane in Construction of Low-Cost Housing in Peru
 S.G. Fattal : Center for Building Technology, NBS
- 0132, 6, Z
A Comment on the Technological Aid to Developing Countries
 Tadayoshi Ohkubo : PWRI
- 0133, 7, A
Present Status of the Study of the Structure of Wind in Japan
 Kiyohide Takeuchi : MRI
- 0134, 7, A
A Reexamination of Hurricane Camille
 Arnold R. Hull : Environmental Data Service, NOAA
- 0135, 7, A
Fire Tornado and its Maximum Wind-Speed
 Seiji Soma, Ken Suda : MRI
- 0136, 7, A
A Research Project on the Wind Flow around Tall Buildings
 Tatsuo Murota, Kiyoshi Nakano : BRI
- 0137, 7, A
Wind Engineering Research Program Supported by the National Science Foundation
 Michael P. Gaus : NSF
- 0138, 7, A
Study on the Wind Pressure and the Response of Roof Corners
 Tatsuo Murota, Mitsuo Nakahara : BRI
- 0139, 7, B
Highway Bridge Seismic Research
 James D. Cooper : FHWA
- 0140, 7, A
On the Wind Response of the Kammon Bridge
 Tadayoshi Ohkubo, Nobuyuki Nariia, Koichi Yokoyama : PWRI
- 0141, 7, A
Luling, Louisiana Cable-Stayed Bridge Wind Tunnel Section Model Tests
 Richard H. Gade, Walter Podolny, Jr., Harold R. Bosch : FHWA
- 0142, 7, B
On the Regional Distribution of the Earthquake Danger in Japan
 Sadaiku Hattori, Yoshikazu Kitagawa, Tetsuo Santo : BRI
- 0143, 7, B
Quantification of Seismicity
 Tsutomu Terashima, Tetsuo Santo : BRI
- 0144, 7, B
On the Maintenance of the Strong-Motion Accelerograph and the Data Processing of the Records
 Eiichi Kuribayashi : PWRI
 Hajime Tsuchida : PHRI
 Makoto Watabe : BRI
- 0145, 7, B
The United States Strong-Motion Network : Field Operations
 Richard P. Maley : USGS
- 0146, 7, B
Strong-Motion Data Management
 Christopher Rojahn : USGS
- 0147, 7, B
Brief Review on Liquefaction during Earthquakes in Japan
 Eiichi Kuribayashi, Fumio Tatsuoka : PWRI
- 0148, 7, B
Vibration Test on Settlement of Submerged Sand Layer
 Kenkichi Sawada, Yasuyuki Koga : PWRI
- 0149, 7, B
Study on Earthquake Response of Structures by Considering Non-Deterministic Variables
 Yutaka Yamazaki, Yasunori Koizumi : BRI
- 0150, 7, B
Least Weight Structures for Threshold Frequencies
 Richard D. McConnell :
- 0151, 7, B
Ductile Shear Walls in Earthquake-Resistant Multistory Buildings
 Mark Fintel : Portland Cement Association

- 0152, 7, B
Surveillance of Corps of Engineers Structures in Earthquake-Prone Areas
 Keith O. O'Donnell : CORPS
- 0153, 7, B
School and Hospital Construction in California
 John F. Meehan : Office of Architecture and Construction, Department of General Services, State of California
- 0154, 7, B
Improved Earthquake Resistive Design and Construction of Single-Family Residential Dwellings
 G. Robert Fuller : HUD
- 0155, 7, B
Dynamic Tests of Structures for Oil Tanks and Nuclear Power Plant
 Seiichi Inaba : NRCDP
- 0156, 7, B
Sheet Pile Foundation and its Structural Characteristics against Horizontal Loads
 Kenji Kawakami, Tadayoshi Ohkubo, Keiichi Komada, Michio Okahara : PWRI
- 0157, 7, B
On Specifications for Earthquake-Resistant Design of Highway Bridges (January 1971)
 Kenji Kawakami, Eiichi Kuribayashi, Yutaka Iida : PWRI
 Toshio Iwasaki : BRI
- 0158, 7, B
On Specifications for Earthquake-Resistant Design of the Honshu-Shikoku Bridges (JSCE 1974)
 Ishio Kawasaki : Honshu-Shikoku Bridge Authority
 Eiichi Kuribayashi : PWRI
- 0159, 7, B
Recent Revision of Design Standards on Seismic Effects for Port and Harbour Structures
 Satoshi Hayashi, Hajime Tsuchida, Setsuo Noda : PHRI
- 0160, 7, B
JSCE Specifications for Earthquake Resistant Design of Submerged Tunnels (1975)
 Eiichi Kuribayashi : PWRI
 Hajime Tsuchida : PHRI
- 0161, 7, D
A Proposal to the Joint Research Program on the Aseismic Properties of R.C. Structure by the Full Size Specimens
 Makoto Watabe, Masaya Hirose, Shinsuke Nakata : BRI
- 0162, 7, D
Earthquake Disaster Mitigation : A Joint Research Approach
 Charles C. Thiel, John B. Scalzi : Earthquake Engineering Research Applications Directorate (RANN), NSF
- 0163, 7, A
High Wind Study in the Philippines
 Noel J. Raufaste, Jr., Richard D. Marshall : Center for Building Technology, NBS
- 0164, 7, B
Survey on Seismology and Earthquake Engineering in India, Iran and Turkey
 Makoto Watabe, Hideo Tokuhiro, Masakazu Shinozuka : BRI
- 0165, 8, A
Aspects of Hurricane Winds as Recorded at an Instrumented Suspension Bridge
 Richard H. Gade : FHWA
 Robert H. Scanlan : Princeton University
- 0166, 8, A
Study on the Wind Effect on Eaves
 Tatsuo Murota : BRI
- 0167, 8, A
Measurements of Wind Loads and Tie-Down Forces on Mobile Homes
 Richard D. Marshall, Robert A. Crist : NBS
- 0168, 8, A
On the Wind Resistant Design Specifications for the Proposed Honshu-Shikoku Bridges (1975)
 Tadayoshi Ohkubo, Nobuyuki Narita : PWRI
- 0169, 8, A
Equivalent Static Wind Loads for Tall Building Design
 Emil Simiu : Center for Building Technology, NBS
- 0170, 8, A
A Wood House Will Resist Wind Forces
 Billy Bohannon : Forest Products Laboratory
- 0171, 8, A
Wind Loads on Low-Rise Buildings
 Noel J. Raufaste, Jr. : NBS
- 0172, 8, A
Characteristics of the High Wind at Hachijojima Island on the Occasion of Typhoon No. 7513
 Seiji Soma : MRI

0173. 8. A
High Winds in the United States, 1975
 Arnold R. Hull, Thomas D. Potter, Nathaniel B. Gunman : Environmental Data Service, NOAA
0174. 8. A
Mean Speed Profiles of Hurricane Winds
 Emil Simiu : Center for Building Technology, NBS
 Virendra C. Patel : University of Iowa
 John F. Nash : Sybucon, Inc.
0175. 8. B
Planning and Design of Strong-Motion Instrument Networks
 R.B. Mathiesen : USGS
0176. 8. B
Observation of Earthquake Response of Ground with Horizontal and Vertical Seismometer Arrays
 Satoshi Hayashi, Hajime Tsuchida, Eiichi Kurata : PHRI
0177. 8. B
Building Strong-Motion Earthquake Instrumentation
 Christopher Rojahn : USGS
0178. 8. B
Characteristics of Underground Seismic Motions at Four Sites around Tokyo Bay
 Toshio Iwasaki, Susumu Wakabayashi, Fumio Tatsuoka : PWRI
0179. 8. B
Relationship between Earthquake Damage of Existing Wooden Houses and Seismic Intensities
 Eiichi Kuribayashi, Tadayuki Tazaki, Takayuki Hadate : PWRI
0180. 8. B
A Method for Calculating Nonlinear Seismic Response in Two Dimensions
 William B. Joyner : USGS
0181. 8. B
A New Scale Representing the "Quake-Sensitivity" at a Certain Region
 Tsutomu Terashima, Tetsuo Santo : BRI
0182. 8. A
Damage to the Civil Engineering Structures in Hachijojima Island by Typhoon 7513
 Tadayoshi Ohkubo, Nobuyuki Narita, Koichi Yokoyama : PWRI
0183. 8. A
Cyclone Tracy
 Richard D. Marshall : Center for Building Technology, NBS
0184. 8. A
On the Damage to Building in Hachijojima Caused by Typhoon No. 7513
 Tatsuo Murota : BRI
0185. 8. B
Seismic Response of Reinforced Concrete Highway Bridges
 J. Penzien, W.G. Godden, M.C. Chen, D. Williams, Kazuhiko Kawashima : University of California
0186. 8. B
An Evaluation Method for the Earthquake Resistant Capacity of Reinforced Concrete and Steel Reinforced Concrete Columns
 Masakazu Ozaki, Yuji Ishiyama : BRI
0187. 8. B
The Earthquake Engineering Program of the National Science Foundation
 John B. Scalzi : NSF
0188. 8. A,B
Large-Scale Testing Programs Related to Wind and Seismic Effects Currently Underway in Japan
 Seiichi Inaba : NRCDF
0189. 8. B
Earthquake Damages to Earth Structures
 Kenkichi Sawada : PWRI
0190. 8. B
Dynamic Test of a Circuit Breaker for Transformer Substation
 Seiichi Inaba, Shigeo Kinoshita : NRCDF
0191. 8. B
Comprehensive Seismic Design Provisions for Buildings A Status Report
 Charles G. Culver : NBS
0192. 8. B
Retrofitting of Vulnerability in Earthquake Disaster Mitigation Problems
 Kaoru Ichihara, Eiichi Kuribayashi, Tadayuki Tazaki : PWRI
0193. 8. B
Dynamic Response Characteristics of a Model Arch Dam
 Charles D. Norman, Roger D. Crowson, Jimmy P. Balsara : Weapons Effects Laboratory, WES
0194. 8. B
The Measurement of the Dynamic k-Value in Site and its Application to Design
 Tetsuo Kunihiro, Kaname Yahagi, Michio Okahara : PWRI

0195. 8. B
Laboratory Investigation of Undisturbed Sampling and Standard Penetration Tests on Fine Sands
 William F. Marcuson III, S.S. Cooper, M.A.
 Bieganousky : WES
0196. 8. B
Dynamic Soil Properties with Emphasis on Comparison of Laboratory Tests and Field Measurements
 Toshio Iwasaki, Fumio Tatsuoka : PWRI
0197. 8. B
Design Earthquakes
 Ellis L. Krintzsky, Frank K. Chang : WES
0198. 8. B
Relation between Seismic Coefficient and Ground Acceleration for Gravity Quaywall
 Satoshi Hayashi, Setsuo Noda, Tatsuo Uwabe : PHRI
0199. 8. B
Investigation of Earthquake Resistance of Structural (Shear) Wall Buildings Carried out at Portland Cement Association
 Mark Fintel : Portland Cement Association
0200. 8. Z
A Philosophy for Structural Integrity of Large Panel Buildings
 Mark Fintel, Donald M. Schultz : Portland Cement Association
0201. 8. A.B
Wind and Seismic Design of United States Nuclear Power Plants
 Lawrence C. Shao, Richard J. Stuart, Charles H. Hofmayer : NRC
0202. 8. B
Outline of Basic Philosophy and Practices of Aseismic Design for Nuclear Facilities in Japan
 Makoto Watabe, Yorihiro Ohsaki : BRI
0203. 8. A
Tornado-Borne Missiles
 James F. Costello : NRC
0204. 8. B
Structural Damage to Bridges Resulting from the Guatemala Earthquake
 James D. Cooper : FHWA
0205. 9. A
On Distribution Models of Pressure and Wind over Stationary Typhoon Fields
 Shigemi Fujiwara, Kiyoshi Kurashige : MRI
0206. 9. A
Extreme Winds in the United States
 Thomas D. Potter, Michael J. Changery : Environmental Data Service, NOAA
0207. 9. A
Aerodynamic Stability of a Long-Span Suspension Bridge at Construction Stage
 Tetsuo Kunihiro, Nobuyuki Narita, Koichi Yokoyama : PWRI
0208. 9. B
Present Situation of Earthquake Prediction Research in Japan
 Kazuo Hamada, Hiroshi Takahashi : NRCDP
 Hiroshi Sato : GSI
 Akira Suwa : MRI
0209. 9. B
The Complementary Importance of Earthquake Prediction and Structural Response Estimation in Seismic Design and Planning Decisions
 Robin K. McGuire : USGS
0210. 9. B
Research and Development of Permanent Ocean-Bottom Seismograph Observation System off the Pacific Coast of Central Honshu, Japan
 Akira Suwa, Norio Yamakawa, Tatsuo Iinuma : MRI
0211. 9. B
Vertical Distribution of the Seismic S-Wave Velocities at the Site of the Iwatsuki Deep Borehole Observatory of Crustal Activities
 Fumio Yamamizu, Hiroshi Takahashi : NRCDP
 Yutaka Ohta, Noritoshi Goto, Keiji Shiono : Hokkaido University
0212. 9. B
Researches of Active Faults in the Metropolitan Area
 Hiroshi Sato : GSI
 Toshihiro Kakimi : Geological Survey of Japan, Ministry of International Trade and Industry
0213. 9. B
Characteristics of Vertical Components of Strong-Motion Accelerograms
 Tatsuo Uwabe, Setsuo Noda, Eiichi Kurata, Satoshi Hayashi : PHRI
0214. 9. B
Developments in Strong-Motion Data Management
 A. Gerald Brady : USGS

- 0215, 9, B
On a Method for Synthesizing the Artificial Earthquake Waves by Using the Prediction Error Filter
 Keiichi Ohtani, Shigeo Kinoshita : NRCDP
- 0216, 9, B
Statistical Analysis of Strong-Motion Acceleration Records
 Masamitsu Ohashi, Toshio Iwasaki, Susumu Wakabayashi, Ken-ichi Tokida : PWRI
- 0217, 9, B
Research on Design Earthquake
 Makoto Watabe : BRI
- 0218, 9, B
Properties of Superficial Layer for Vibration
 Yukitake Shioi : BRI
 Toshio Iwasaki : PWRI
- 0219, 9, B
Studies on Soil Liquefaction Relating to the Earthquake Resistant Design of Structures
 Masamitsu Ohashi, Toshio Iwasaki, Fumio Tatsuoka : PWRI
- 0220, 9, B
Earthquake Resistant Design Based on Ground Motions at Base-Rock
 Eiichi Kuribayashi, Kazuhiko Kawashima : PWRI
- 0221, 9, B
Basic Earthquake for Dam Design
 Jerry S. Dodd : BUREC
- 0222, 9, B
Study on Regional Distribution of Maximum Earthquake Motions in Japan
 Masakazu Ozaki, Yoshikazu Kitagawa, Sadaiku Hattori : BRI
- 0223, 9, B
Treatments on Seismic Force in Designing Earth Structures
 Kenkichi Sawada : PWRI
- 0224, 9, B
Studies on the Aseismic Properties of Underground Pipes
 Keiichi Ohtani, Nobuyuki Ogawa, Chikahiro Minowa : NRCDP
- 0225, 9, B
Observation of Dynamic Behavior of Kinuura Submerged Tunnel during Earthquakes
 Shigeo Nakayama, Osamu Kiyomiya, Hajime Tsuchida : PHRI
- 0226, 9, B
A Proposal for Earthquake Resistant Design Methods
 Kiyoshi Nakano : BRI
 Masamitsu Ohashi : PWRI
- 0227, 9, B
On the Object Postulate for Earthquake-Resistant Code
 Kiyoshi Nakano, Yuji Ishiyama, Yoshitsugu Aoki : BRI
- 0228, 9, B
The Earthquake Response of Hysteretic Structures
 W.D. Iwan, N.C. Gates : California Institute of Technology
- 0229, 9, B
Earthquake Resistant Design of High-Rise Buildings in Japan
 Keiichi Ohtani : NRCDP
- 0230, 9, Z
Racking Strength of Wood-Frame Walls
 Roger L. Tuomi : Forest Products Laboratory
- 0231, 9, B
Examination for an Evaluation Method of Damage to Existing Wooden Houses Caused by Earthquakes
 Kaoru Ichihara, Eiichi Kuribayashi, Tadayuki Tazaki, Takayuki Hadate : PWRI
- 0232, 9, B
Relationship between Modified Mercalli Intensity and Wood Frame Dwelling Earthquake Insurance
 Karl V. Steinbrugge : Insurance Service Office
 S.T. Algermissen : USGS
- 0233, 9, B
Warrants for Retrofitting Highway Bridges
 Anatole Longinow, Ernest Bergmann : IIT Research Institute
 James D. Cooper : FHWA
- 0234, 9, B
Criterion on the Evaluation of Seismic Safety of Existing Reinforced Concrete Buildings
 Kiyoshi Nakano, Masaya Hirose, Shin Okamoto : BRI
- 0235, 9, A
Transferring Wind Technology to Developing Countries
 Noel J. Raufaste, Jr. : NBS
- 0236, 10, A
On the Distribution of Extreme Winds Expected in Japan^{*}**
 Tadayoshi Ohkubo, Nobuyuki Narita : PWRI

0237. 10. A
Boundary Layer Winds
 Duane A. Haugen : Wave Propagation Laboratory,
 NOAA
0238. 10. A
**On the Damage to Buildings in Oki-Erabu
 Island Caused by Typhoon No.7709 of
 September 9, 1977**
 Tatsuo Murota, Yuji Ishiyama : BRI
 Shigemi Fujiwara, Minoru Okuda, Kiyoshi Tsukada :
 MRI
0239. 10. A
**Recent Developments in Atmospheric Remote
 Sensing and their Implication for Wind
 Engineering**
 William H. Hooke : Wave Propagation Laboratory,
 NOAA
0240. 10. A
**Extreme Wind Data Base Development at the
 National Climatic Center**
 Michael J. Changery : National Climatic Center, NOAA
0241. 10. B
**Strong-Motion Record Information Retrieval
 System**
 A.M. Converse, R.B. Matthiesen : USGS
0242. 10. B
Integration of Strong-Motion Accelerograms
 Susumu Iai, Eiichi Kurata, Hajime Tsuchida, Satoshi
 Hayashi : PHRI
0243. 10. B
**Some Recent Developments in National and
 International Seismic Data Exchange
 Activities**
 James F. Lander : World Data Center A for Solid Earth
 Geophysics, NOAA
0244. 10. B
**Report on the International Workshop on
 Strong-Motion Earthquake Instrument Arrays
 May 2-5, 1978, at Hawaii**
 Tadayoshi Ohkubo : PWRI
 Hajime Tsuchida : PHRI
0245. 10. B
**Study on Expectancy of Maximum Earthquake
 Motions in Japan**
 Makoto Watabe, Yoshikazu Kitagawa : BRI
0246. 10. B
**Determination of Design Earthquake for the
 Dynamic Analysis of the Fort Peck Dam**
 William F. Marcuson III, Ellis L. Krinitzsky : Soils and
 Pavements Laboratory, WES
0247. 10. B
**The Izu-Onshima Kinkai Earthquake of
 January 14, 1978**
 Minoru Tajima, Hiroshi Sato : GSI
 Michio Ohtsuka, Ken Sudo, Katsuhiko Ishibashi : BRI
0248. 10. B
**Empirical and Analytical Methods of
 Estimating Soil Liquefaction Risk**
 Robin K. McGuire : USGS
 Fumio Tatsuoka : University of Tokyo
 Toshio Iwasaki, Ken-ichi Tokida : PWRI
0249. 10. B
**A Practical Procedure for Assessing
 Earthquake-Induced Liquefaction of Sandy
 Deposits**
 Masamitsu Ohashi, Toshio Iwasaki, Fumio Tatsuoka,
 Ken-ichi Tokida : PWRI
0250. 10. A
**Wind Resistant Design of Cable-Stayed
 Bridges in Japan**
 Tadayoshi Ohkubo, Nobuyuki Narita, Masataka
 Katsuragi : PWRI
0251. 10. A
**Aerodynamic Stability of Proposed Ohio
 River Cable-Stayed Bridge**
 Loyd R. Cayes : FHWA
0252. 10. A
**Some Aerodynamic Considerations in the
 Design of the Ruck-A-Chucky Bridge**
 Robert H. Scanlan : Princeton University
0253. 10. A
**A Summary of Wind-Tunnel Test Results for
 the Luling, Louisiana, Cable-Stayed Bridge**
 Harold R. Bosch : FHWA
0254. 10. A
**A Technique for Measuring Fluctuating Wind
 Loads on a Tall-Building Model Irrespective
 of Model Motion**
 Timothy A. Reinhold : NBS
0255. 10. A
A Study of Building Damage Caused by Wind
 James R. McDonald, Patrick A. Lea : Texas Tech
 University
0256. 10. B
**Recent Earthquake Resistant Design Methods
 for Different Types of Foundations in Japan**
 Yukitake Shioi, Toshio Furuya, Michio Okahara, Yasuo
 Mitsuie : PWRI

- 0257, 10, B
Recent Developments in Seismic Design Codes
 Roland L. Sharpe : Applied Technology Council
- 0258, 10, B
Logical Analysis of Seismic Design Provisions
 James Robert Harris : NBS
- 0259, 10, B
Highlights of California School and Hospital Building Regulations
 John F. Meehan : Office of the State Architect, State of California
- 0260, 10, B
Summary of Research Projects Carried out in the Large Size Structures Testing Laboratory during the Last Eleven Years : From 1967 to 1977
 Masaya Hirose, Yuji Ishiyama, Tetsuro Goto : BRI
- 0261, 10, B
Dynamic Behaviors of Rectangular Water Tanks Assembled with Panels
 Keiichi Ohtani, Chikahiro Minowa : NRCDF
- 0262, 10, B
Inelastic Behavior of Non-Bearing Wall in an 11-Storeyed Steel-Reinforced Concrete Frame and Seismic Safety of External Surface Finishes and Coatings
 Makoto Watabe, Toshiyuki Kubota, Akio Baba, Toshibumi Fukuta, Hiroshi Ito : BRI
- 0263, 10, B
Seismic Evaluation of Existing Multistory Residential Buildings
 G. Robert Fuller : HUD
- 0264, 10, B
Damage Features of Engineering Structures due to the Near Izu-Oshima Earthquake of January 14, 1978
 Kazuo Nakazawa, Toshio Iwasaki, Kazuhiko Kawashima : PWRI
 Makoto Watabe, Hiroyuki Yamanouchi, Yutaka Yamazaki : BRI
- 0265, 10, B
Repair and Retrofit of Buildings
 James K. Wight, Robert D. Hanson : University of Michigan
- 0266, 10, B
An Evaluation Study on the Distribution Characteristics of Property Losses Caused by Historical Earthquakes
 Eiichi Kuribayashi, Tadayuki Tazaki : PWRI
- 0267, 10, B
Present Status and Problems on Countermeasures to Earthquake Disasters with Emphasis on Disaster-Resistivities of Cities and their Lifelines
 Kazuo Nakazawa, Eiichi Kuribayashi : PWRI
- 0268, 10, B
The Investigation on the Rescue and Rehabilitation of the Izu-Oshima Kinkai Earthquake of 1978
 Eiichi Kuribayashi, Tadayuki Tazaki, Takayuki Hadate : PWRI
- 0269, 10, B
National Science Foundation Activity in Earthquake Hazard Mitigation
 Charles C. Thiel, William A. Anderson, Michael P. Gaus, William Hakala, Frederick Krimgold, Shih Chi Liu, John B. Scalzi : NSF
- 0270, 10, B
Rapid Seismic Analysis Procedures for Buildings
 Tingley K. Lew, Stanley K. Takahashi, C.V. Chelapati : NCEL
- 0271, 10, Z
Report of the US-Southeast Asia Symposium on Engineering for Natural Hazards Protection
 A. H-S. Ang : University of Illinois at Urbana-Champaign
- 0272, 10, C
Storm Surge
 Celso S. Barrientos : National Weather Service, NOAA
- 0273, 10, C
Operation of Tsunami Warning System in the Pacific
 Mark G. Spaeth : National Weather Service, NOAA
- 0274, 11, B
New Initiatives in Earthquake Hazards Mitigation
 Charles C. Thiel : Earthquake Hazards Reduction Coordination Group, Office of Science and Technology Policy, Executive Office of the President
- 0275, 11, B
Earthquake Hazard Reduction Research at the National Bureau of Standards
 Edgar V. Leyendecker, James Robert Harris, Richard N. Wright, Edward O. Pfang : Center for Building Technology, NBS
- 0276, 11, B
On the U.S. - Japan Cooperative Program on Large Scale Testing
 Tadayoshi Ohkubo : PWRI

0277. 11. A
**Modelling of 1978 Tokyo Tornado for
 Overturning of Tozai Subway Train**
 Eiji Uchida, Shigemi Fujiwara : MRI
 Ryozo Tatehira : Japan Meteorological Agency
 Ichiro Tabe, Kazuyuki Ohsuka : Teito Rapid Transit
 Authority
0278. 11. A
**Extreme Wind Speeds at 129 Stations in the
 Contiguous United States**
 Michael J. Changery : National Climatic Center, NOAA
 Emil Simiu, James J. Filliben : NBS
0279. 11. A
**Some Analysis on Strong Winds Observed by
 Very Tall Towers**
 Keikichi Naito, Isao Tabata, Noboru Banno, Katsumi
 Takahashi : MRI
0280. 11. B
**A Proposal of the New Parameter for
 Assessing Seismic Disaster**
 Michio Ohsuka : BRI
0281. 11. B
**Simulation of Earthquake Ground Motion and
 its Application to Dynamic Response
 Analysis**
 Tetsuo Kubo, Makoto Watabe : BRI
0282. 11. B
**Comparison of Vertical Components of
 Strong-Motion Accelerograms for Western
 United States and Japan**
 Tatsuo Uwabe : PHRI
0283. 11. B
**Earthquake Observation System in and around
 Structure in Japan**
 Kiyoshi Nakano, Yoshikazu Kitagawa : BRI
0284. 11. B
**Single-Story Residential Masonry
 Construction in Uniform Building Code
 Seismic Zone 2**
 G. Robert Fuller : HUD
0285. 11. B
**The Performance of Lapped Splices in
 Reinforced Concrete under High-Level
 Repeated Loading**
 Peter Gergely, Richard N. White : Cornell University
 Fernando Fagundo : University of Puerto Rico
0286. 11. B
**Dynamic Behaviors of Reinforced Concrete
 Frame Structures**
 Keiichi Ohtani, Chikahiro Minowa : NRCDP
0287. 11. B
Seismic Response of Precast Concrete Walls
 James M. Becker, Carlos Llorente, Peter Mueller :
 Massachusetts Institute of Technology
0288. 11. B
**Seismic Response Analysis of the Itajima
 Bridge with Use of Strong Motion
 Acceleration Records**
 Masamitsu Ohashi, Toshio Iwasaki, Kazuhiko
 Kawashima : PWRI
0289. 11. B
**Field and Laboratory Determination of Soil
 Moduli**
 William F. Marcuson III, Joseph R. Curro, Jr. : WES
0290. 11. B
**An Experimental Study on Liquefaction of
 Sandy Soils on a Cohesive Soil Layer**
 Tatsuo Asama, Yukitake Shioi : PWRI
0291. 11. B
**Stress-Strain Behavior of Dry Sand and
 Normally Consolidated Clay by Inter-
 Laboratory Cooperative Cyclic Shear Tests**
 Hiroshi Oh-oka, Kohjiro Ito, Yoshihiro Sugimura,
 Masaya Hirosawa : BRI
0292. 11. A
**Wind and Structure Motion Study for Pasco-
 Kennewick Bridge**
 M.C.C. Bampton : Battelle Pacific Northwest
 Laboratories
 Harold R. Bosch, David H. Cheng : FHWA
0293. 11. A
**Calculation of the Gust Responses of Long-
 Span Bridges**
 Nobuyuki Narita, Hiroshi Sato : PWRI
0294. 11. B
**Draft Seismic Design Guidelines for Highway
 Bridges**
 James D. Cooper, Charles F. Scheffey : FHWA
 Roland L. Sharpe, Ronald L. Mayes : Applied
 Technology Council
0295. 11. B
**Analysis and Design of Cracked Reinforced
 Concrete Nuclear Containment Shells for
 Earthquakes**
 Peter Gergely, Richard N. White : Cornell University
0296. 11. B
**Comparison of Measured and Computed
 Response of Yuda Dam during the July 6,
 1976 and June 12, 1978 Earthquakes**
 Ryuichi Iida, Norihisa Matsumoto, Satoru Kondo :
 PWRI

- 0297, 11, B
Report on the 1978 Miyagi-Ken-Oki Earthquake
Makoto Watabe, Yutaka Matsushima, Yuji Ishiyama, Tetsuo Kubo, Yuji Ohashi : BRI
- 0298, 11, B
Disastrous Ground Failure in a Residential Area of Large-Scale Cut-and-Fill in the Sendai Region Caused by Earthquake of 1978
Hitoshi Haruyama, Motoo Kobayashi : GSI
- 0299, 11, B
Damage Features of Civil Engineering Structures due to the Miyagi-Ken-Oki Earthquake of 1978
Tadayoshi Ohkubo, Masamitsu Ohashi, Toshio Iwasaki, Kazuhiko Kawashima, Ken-ichi Tokida : PWRI
- 0300, 11, B
Damages to River Dykes Caused by the Miyagi-Ken-Oki Earthquake of June, 1978
Kazuya Yamamura, Yasushi Sasaki, Yasuyuki Koga, Eiichi Taniguchi : PWRI
- 0301, 11, B
Damage to Port Structures by the 1978 Miyagi-Ken-Oki Earthquake
Hajime Tsuchida, Setsuo Noda : PHRI
- 0302, 11, B
Wood Diaphragms in Masonry Buildings
Mihran S. Agabian : Agabian Associates
- 0303, 11, B
Mitigation of Seismic Hazards in Existing Unreinforced Masonry Buildings
Mihran S. Agabian : Agabian Associates
- 0304, 11, B
Development of a Universal Fastener for Wooden Building Roof Frames
Tatsuo Murota, Yuji Ishiyama : BRI
- 0305, 11, B
The NASA/MSFC Experimental Facilities at Huntsville, Alabama
John B. Scalzi : NSF
George F. McDonough, Jr., Nicholas C. Costes : National Aeronautics and Space Administration
- 0306, 11, B
Earthquake Hazards Reduction Research Supported In 1978
Charles C. Thiel, William A. Anderson, Michael P. Gaus, William Hakala, Frederick Krimgold, Shih Chi Liu, John B. Scalzi : NSF
- 0307, 11, B
Functional Damage and Rehabilitation of Lifelines in the Miyagi-Ken-Oki Earthquake of 1978
Kazuto Nakazawa, Eiichi Kuribayashi, Tadayuki Tazaki, Takayuki Hadate, Ryoji Hagiwara : PWRI
- 0308, 11, B
Social Aspects of Earthquake Mitigation and Planning in the United States
William A. Anderson : NSF
- 0309, 11, C
Orientation of Tsunami's Researches in Japan
Hiroshi Takahashi, Yukio Fujinawa : NRCDF
- 0310, 11, C
Wave Setup Caused by Typhoon 7010
Hiroshi Hashimoto, Takaaki Uda : PWRI
- 0311, 11, C
Specification and Prediction of Surface Wind Forcing for Ocean Current and Storm Surge Models
Celso S. Barrientos, Kurt W. Hess : Techniques Development Laboratory, Systems Development Office, National Weather Service, NOAA
- 0312, 11, C
A Dynamical Model to Predict Storm Surges and Overland Flooding in Bays and Estuaries
Chester P. Jelesnianski, Celso S. Barrientos, Jye Chen : Techniques Development Laboratory, Systems Development Office, National Weather Service, NOAA
- 0313, 11, C
Topics on Tsunami Protection along the Port Areas in Japan
Yoshimi Goda : PHRI
- 0314, 11, B
Seismic Risk Maps in the Southeast Asian Countries (Maximum Acceleration and Maximum Particle Velocity) - Philippines, Indonesia and Indo-China -
Sadaiku Hattori : BRI
- 0315, 11, B
California School and Hospital Ceilings
John F. Meehan : Office of the State Architect, State of California
- 0316, 12, B
Dense Instrument Array Program of the Public Works Research Institute for Observing Strong Earthquake-Motion
Yoshijiro Sakagami, Tadayoshi Ohkubo, Toshio Iwasaki, Kazuhiko Kawashima : PWRI

- 0317, 12, B
The Imperial Valley Earthquake, October 15, 1979. Digitization and Processing of Accelerograph Records
 A. Gerald Brady, Virgilio Perez, P.N. Mork : NSF
- 0318, 12, B
Preliminary Summary of the U.S. Geological Survey Strong-Motion Records from the October 15, 1979 Imperial Valley Earthquake
 Ronald L. Porcella, R.B. Mathiesen : USGS
- 0319, 12, B
Three-Dimensional Synthetic Accelerograms for Design Earthquake Ground
 Makoto Watabe : BRI
- 0320, 12, B
Study on Dynamic Ground Characteristics in Sendai District
 Makoto Watabe, Yoshikazu Kitagawa : BRI
- 0321, 12, A
Hurricane Wind Speeds in the United States
 Martin E. Batts, Emil Simiu : Center for Building Technology, NBS
 Larry R. Russell : Larry Russell & Assoc., Inc.
- 0322, 12, A
A Statistical Result of Maximum Surface Winds Surrounding Typhoons
 Shigemi Fujiwara : MRI
 I. Subbaramayya : Andhra University, India
- 0323, 12, A
Surface Winds from Hurricane Frederic (September 12 and 13, 1979) an Engineering Viewpoint
 Timothy A. Reinhold : NBS
- 0324, 12, A
Hurricanes David and Frederic 1979
 Celso S. Barrientos : Techniques Development Laboratory, Systems Development Office, National Weather Service, NOAA
- 0325, 12, B
Seismic Response of Floating Offshore Structures
 Hajime Tsuchida, Susumu Iai, Setsuo Noda : PHRI
- 0326, 12, B
Critical Excitations of Structures
 R.F. Drenick, F. Novomesky : Polytechnic Institute of New York
 G. Bagchi : NRC
- 0327, 12, B
Dynamic Testing of a Three-Story Reinforced Concrete Structure
 Keiichi Ohtani : NRCDP
- 0328, 12, B
Buckling Analysis of Buried Pipelines under Seismic Loads
 C.C. Chen, Teoman Ariman, L.H.N. Lee : University of Notre Dame
- 0329, 12, B
Shaking Table Tests of Earth Retaining Structures on Improved Ground
 Setsuo Noda, Sosuke Kitazawa, Hajime Tsuchida : PHRI
- 0330, 12, B
Full-Scale Experimental Study on Aseismic Property of Medium-Rise Reinforced Concrete Wall Structure
 Masaya Hirose, Tetsuro Goto, Manabu Yoshimura, Hisahiro Hiraishi : BRI
- 0331, 12, B
Soil Dynamics - State of the Art - 1980
 William F. Marcuson III, Arley Gus Franklin, P.F. Hadala : Geotechnical Laboratory, WES
- 0332, 12, B
Dynamic Analysis for Sheet Pile Foundation
 Tatsuo Asama, Yukitake Shioi, Michio Okahara, Yasuo Mitsuie : PWRI
- 0333, 12, B
Dynamic Behavior of Multi-Column Foundation with Inclined Piles during Earthquake
 Tatsuo Asama, Yukitake Shioi, Yasuo Mitsuie : PWRI
- 0334, 12, B
Analysis of Liquefaction Potential of Sands on Level Ground during Earthquakes Using Cyclic Strain Controlled Tests
 Felix Y. Yokel, Riley M. Chung : NBS
 Ricardo Dobry : Rensselaer Polytechnic Institute
 Richard S. Ladd : Woodward-Clyde Consultants
- 0335, 12, B
Participation Factor of Horizontal Force Applied to Pile Foundation
 Yoshihiro Sugimura, Makoto Watabe : BRI
- 0336, 12, C
Operational Models for Forecasting Storm Surges in NOAA
 Celso S. Barrientos : Techniques Development Laboratory, Systems Development Office, National Weather Service, NOAA
- 0337, 12, C
Storm Surge Prevention around the River Mouth in Japan
 Hiroshi Hashimoto : PWRI

- 0338, 12, B
New Structural Design Enforcement for Building Structures
 Kiyoshi Nakano, Makoto Watabe, Yuji Ishiyama : BRI
- 0339, 12, B
Impact of Draft Highway Bridge Seismic Design Guidelines
 James D. Cooper : FHWA
 Ronald L. Mayes, Roland L. Sharpe : Applied Technology Council
- 0340, 12, B
New Specifications for Earthquake-Resistant Design of Japanese Highway Bridges
 Eiichi Kuribayashi, Toshio Iwasaki, Osamu Ueda : PWRI
- 0341, 12, B
Single-Story Residential Masonry Construction in Uniform Building Code Seismic Zone - Tentative Recommendation -
 R.J. Morony : HUD
- 0342, 12, B
Earthquake Disaster Preparedness Program for the Lima, Peru Metropolitan Area
 Masamitsu Ohashi : PWRI
 Makoto Watabe, Yoshio Kumagai : BRI
 Yoshihisa Hoshino : GSI
- 0343, 12, B
Fundamental Factors in Optimizing Earthquake Disaster Mitigation Investments
 Yoshijiro Sakagami, Eiichi Kuribayashi, Osamu Ueda, Tadayuki Tazaki : PWRI
- 0344, 12, B
Wood Sheathed Diaphragms as Lateral Force Resisting Elements
 E. Zacher :
- 0345, 12, B
A Proposed Method for the Evaluation of Aseismic Performance of Existing Timber Dwellings
 Tatsuo Murota, Hisashi Okada : BRI
- 0346, 12, B
An Evaluation Method on Aseismicity of Earth Structures (Road Embankment)
 Tatsuya Fujii, Yasushi Sasaki : Ministry of Construction
- 0347, 12, A
Wind-Induced Vibration of Truss Members of the Commodore Brray Bridge
 Gerard F. Fox : Howard Needles Tammen and Bergendoff
- 0348, 12, A
Calculation of the Gust Responses of Long-Span Bridges (II)
 Nobuyuki Narita, Hiroshi Sato : PWRI
- 0349, 12, A
Active Turbulence Generator for Aerodynamic Tests of Bridge Section Models
 B. Bienkiewicz, J.E. Cermak, J.A. Peterka : Colorado State University
- 0350, 13, B
Dense Instrument Array Program of the Public Works Research Institute and Preliminary Analysis of Some Records
 Tadayoshi Ohkubo, Toshio Iwasaki, Kazuhiko Kawashima : PWRI
- 0351, 13, B
Peak Horizontal Acceleration and Velocity from Strong-Motion Records
 William B. Joyner, David M. Boore, Ronald L. Porcella : USGS
- 0352, 13, B
Dense Instrument Arrays of the Port and Harbour Research Institute for Observing Strong Earthquake-Motion
 Setsuo Noda, Eiichi Kurata, Hajime Tsuchida : PHRI
- 0353, 13, B
Current Strong Motion Accelerogram Processing ; Imperial Valley, 1979
 A. Gerald Brady : USGS
- 0354, 13, B
Strong Motion Earthquake Observation by Velocity Type Seismometer
 Keiichi Ohtani : NRCDP
- 0355, 13, B
Stability of Spectra of Microtremors and Microzonation
 Sadaiku Hattori : BRI
- 0356, 13, B
Studies on Liquefaction of Sands during Earthquakes
 Toshio Iwasaki, Ken-ichi Tokida, Toshio Kimata : PWRI
- 0357, 13, B
Undisturbed Sampling of Cohesionless Soils
 William F. Marcuson III, Arley Gus Franklin : WES
- 0358, 13, B
Shaking Table Tests on the Countermeasure to Liquefaction by Gravel Drains
 Yasushi Sasaki, Eiichi Taniguchi : PWRI

- 0359, 13, B
Seismic Shear Transfer in Reinforced Concrete
 Richard N. White : Cornell University
- 0360, 13, B
Earthquake Observation of Improved Ground Made of Hard Treated Soil and its Surrounding Soft Ground
 Takamasa Inatomi, Setsuo Noda : PHRI
- 0361, 13, B
Investigation of the Imperial County Services Building, EL Centro
 Lawrence G. Selna : University of California
- 0362, 13, B
Behavior of Traditional Japanese Wooden Frames under Repeated Horizontal Load
 Tatsuo Murota, Hisashi Okada, Masatoshi Sato, Kanji Saito : BRI
 Takanori Arima : Shizuoka University
- 0363, 13, B
Seismic Analysis of a Cyclopean Concrete Quaywall
 C.V. Chelapati : California State University
 Stanley K. Takahashi : NCEL
- 0364, 13, B
Horizontal Load Test of Multi-Column Foundation
 Yukitake Shioi, Yasuo Mitsuie, Jiro Fukui, Keiji Chino : PWRI
- 0365, 13, B
Experimental Investigations and Research Needs in Seismic Behavior of Buried Pipelines
 Teoman Ariman, Masanori Hamada : University of Tulsa
- 0366, 13, B
Current Researches and Research Needs in Lifeline Earthquake Engineering
 Leon Ru-Liang Wang : University of Oklahoma
- 0367, 13, B
Vibration Tests of Bridge Models Using a Large Shaking Table
 Eiichi Kuribayashi, Osamu Ueda, Ryoji Hagiwara : PWRI
- 0368, 13, B
Evaluation of Unreinforced Masonry Building Components by Seismic Simulation Tests
 Mihran S. Agbabian : Agbabian Associates
- 0369, 13, B
Observed Behavior and Analysis of Rockfill Dam during Earthquake
 Norihisa Matsumoto, Satoru Kondo : PWRI
- 0370, 13, B
NBS Tri-Directional Test Facility
 Kyle A. Woodward : National Engineering Laboratory, NBS
- 0371, 13, B
An Econometric Model of Long Term Effects of Earthquake Losses
 Eiichi Kuribayashi, Osamu Ueda, Tadayuki Tazaki : PWRI
- 0372, 13, B
The United States Navy's Earthquake Hazard Reduction Program
 Stanley K. Takahashi, C.V. Chelapati : NCEL
- 0373, 13, B
On the Place Prediction of Ground Failure Caused by Earthquake
 Motoo Kobayashi : GSI
- 0374, 13, B
Plan for Assessing Tentative Seismic Provisions by Means of Trial Designs
 James Robert Harris : NBS
- 0375, 13, C
High Tide and Wind Waves Generated by Typhoon 7920
 Yoshinobu Tsuji, Hiroshi Takahashi : NRCDP
- 0376, 13, C
SLOSH : A Hurricane Storm Surge Model for Bay and Estuary
 Chester P. Jelesnianski : Techniques Development Laboratory, Systems Development Office, National Weather Service, NOAA
 Celso S. Barrientos : Center for Environmental Assessment Services, Environmental Data and Information Service, NOAA
- 0377, 13, C
Storm Surge Defence Works at the Ohta River Mouth
 Hiroshi Hashimoto : PWRI
- 0378, 13, A
Strong Winds Observed by A 200-m Tsukuba Meteorological Observation Tower
 Keikichi Naito, Noboru Banno, Tatsuo Hanafusa, Tokunosuke Fujitani, Yoshihiro Yamashita : MRI
- 0379, 13, A
ARIMA Representation of Turbulence Spectra and Longitudinal Integral Scales
 D.A. Reed : NBS
 Robert H. Scanlan : Princeton University

0380. 13. A
Wind Response Observation at Tsukuba
Meteorological Observation Tower
Taisuo Murota, Hisashi Okada : BRI
0381. 13. A
Full-Scale Measurements of Wind Velocities
and Dynamic Response of a Tall Tower
Arthur N.L. Chiu : University of Hawaii
Stanley K. Takahashi : NCEL
0382. 13. A
Properties of Overwater Wind and the
Analysis of Motions of Large Sized Floating
Offshore Structures
Shigeru Ueda, Osamu Kiyomiya, Satoru Shiraishi,
Hajime Tsuchida : PHRI
0383. 13. A
Unsteady Aerodynamic Forces for a Suspended
Structure with Stiffening Trusses
Tadayoshi Ohkubo, Nobuyuki Narita, Kunio Yamamoto,
Hiroshi Sato : PWRI
0384. 13. B
Increased Seismic Resistance of Highway
Bridges Using Improved Bearing Design
Concepts
Roy A. Imbsen : Engineering Computer Corporation
0385. 13. A,B
Load and Resistance Factor Design (LRFD)
Wind and Seismic Design
Clarkson W. Pinkham : S.B. Barnes and Associates,
Consulting Structural Engineers
0386. 13. B
Studies on Reinforcement of Bridge Seats
against Earthquakes
Yukitake Shioi, Yasuo Mitsuie, Takao Shimizu : PWRI
0387. 13. A
Structural Design Recommendations for
Residential Buildings in Coastal High Risk
Areas
G. Robert Fuller, Davis E. White : HUD
0388. 13. B
Developments in U.S. Seismic Standards
- A Status Report -
Edgar V. Leyendecker : Center for Building Technology,
NBS
0389. 13. B
Report on the Technical Cooperation for the
Earthquake Disaster Prevention in the Lima
Metropolitan Area
Makoto Watabe, Ichiro Tanahashi, Yutaka Yamazaki :
BRI
Tadayuki Tazaki : PWRI
0390. 13. B
United States-China Cooperative Research on
Earthquake Engineering
Shih Chi Liu : NSF
0391. 13. B
Technical Cooperation for the El Asnam
Earthquake of October 10th, 1980 and Field
Survey on the Southern Italy Earthquake of
November 23rd, 1980
Kiyoshi Nakano : BRI
Eiichi Kuribayashi : PWRI
0392. 13. D
Progress Report on U.S.-Japan Large-Scale
Aseismic Experiments for Building Structures
(No.1 Outline of Research Program)
Katsuro Kamimura, Makoto Watabe, Osamu Sakaguchi,
Masaya Hirose : BRI
0393. 13. D
Progress Report on U.S.-Japan Large-Scale
Aseismic Experiments for Building Structures
(No.2 Subassembly Tests of Full-Scale
Structure)
Shinsuke Nakata, Hisahiro Hiraishi, Tetsuro Goto,
Manabu Yoshimura : BRI
0394. 13. D
Progress Report on U.S.-Japan Large-Scale
Aseismic Experiments for Building Structures
(No.3 Feasibility of Pseudo-Dynamic Testing
System)
Makoto Watabe, Shin Okamoto, Takashi Kaminosono,
Hiroyuki Yamanouchi, Hisahiro Hiraishi : BRI
0395. 13. D
Progress Report on U.S.-Japan Large-Scale
Aseismic Experiments for Building Structures
(No.4 Correlation Study between Shaking
Table Tests and Pseudo-Dynamic Tests by
Reduced Scale R.C. Models)
Makoto Watabe, Yoshikazu Kitagawa, Toshiyuki
Kubota, Tetsuo Kubo, Manabu Yoshimura, Takashi
Kaminosono : BRI
0396. 13. D
Progress Report on U.S.-Japan Large Scale
Aseismic Experiments for Building Structures
(No.5 Associated Experiments, Studies and
Participation by U.S. Members)
Robert D. Hanson, James K. Wight : University of
Michigan
0397. 14. A
Effects of Solidity of Trusses on Unsteady
Aerodynamic Forces of Stiffening Trussed-
Girders
Tadayoshi Ohkubo, Nobuyuki Narita, Kunio Yamamoto,
Hiroshi Sato : PWRI

- 0398, 14, A
Field Studies on the Pasco-Kennewick Cable-Stayed Bridge
M.C.C. Bampton : Battelle Pacific Northwest Laboratories
- 0399, 14, A
Wind Load on Solar Water Heaters
Hisashi Okada, Tatsuo Murota : BRI
- 0400, 14, B
Estimation of Response-Spectral Values as Functions of Magnitude, Distance, and Site Conditions
William B. Joyner, David M. Boore : USGS
- 0401, 14, B
Reconsideration of the Input Waves for Dynamic Analysis
Keiichi Ohtani : NRCDDP
- 0402, 14, B
Some New Processing Techniques for the Imperial Valley 1979 Aftershocks
A. Gerald Brady : USGS
- 0403, 14, B
Dense Instrument Array Observation by the Public Works Research Institute and Analyses of Some Records
Tadayoshi Ohkubo, Tadashi Arakawa, Kazuhiko Kawashima : PWRI
- 0404, 14, B
Gravel Drains as a Countermeasure to Liquefaction of the Ground
Yasushi Sasaki, Eiichi Taniguchi : PWRI
- 0405, 14, B
Volume Change and Excess Pore Water Pressure Buildup as a Function of Degree of Saturation of Sands during Resonant Column Testing
Riley M. Chung, Felix Y. Yekel, Erik D. Anderson : Center for Building Technology, NBS
- 0406, 14, B
Estimation Procedures of Liquefaction Potential and Its Application to Earthquake Resistant Design
Toshio Iwasaki, Tadashi Arakawa, Ken-ichi Tokida, Toshio Kimata : PWRI
- 0407, 14, B
Coupled Hydrodynamic Response Characteristics and Water Pressures of Large Composite Breakwaters
Tatsuo Uwabe, Setsuo Noda, Hajime Tsuchida : PHRI
- 0408, 14, B
Dynamic Analysis of Embankment Sections, Richard B. Russell Dam
Arley Gus Franklin, Mary Ellen Hynes-Griffin : WES
- 0409, 14, B
Pipe Stresses during Earthquakes Based on a Two-Dimensional Seismometer Array Observation
Hajime Tsuchida, Ken-ichiro Minami, Osamu Kiyomiya, Setsuo Noda : PHRI
- 0410, 14, B
Buckling and Rupture Failure in Pipelines due to Large Ground Deformations
Teoman Ariman : University of Tulsa
- 0411, 14, B
Experimental Studies on Seismic Behavior of Structural Members Using a Dynamic Structural Testing Facility at PWRI
Eiichi Kuribayashi, Toshio Iwasaki, Ryoji Hagiwara : PWRI
Takayuki Hadae : National Land Agency
- 0412, 14, B
Report of the Urakawa-oki Earthquake of March 21, 1982
Tomomitsu Yasue, Toshio Iwasaki, Yasushi Sasaki, Hideya Asanuma, Takeo Nakajima : PWRI
- 0413, 14, B
Linear versus Nonlinear Behavior of Cable Stayed Bridges
John F. Fleming : University of Pittsburgh
- 0414, 14, B
Behavior of Concrete-Filled Steel Tubes
Nobuyuki Narita, Shoichi Saeiki, Michio Kanai : PWRI
- 0415, 14, B
Microcomputer for Earthquake Studies
Stanley K. Takahashi : NCEL
Joseph V. Tyrrell : NAVFAC
- 0416, 14, B
Vibratory Cone Penetrometer to Assess the Liquefaction Potential of the Ground
Yasushi Sasaki, Yasuyuki Koga : PWRI
- 0417, 14, B
Direct Evaluation Method for Floor Response Spectra
Makoto Watabe : BRI
- 0418, 14, B
Lowland Earthquake Disasters and Land Conditions (in Japanese)
Eisaku Tsurumi, Hiroaki Sunaga, Yosuke Kumaki : GSI

- 0419, 14, B
A Procedure for Estimating Indirect Effects of Earthquakes on Economy
 Eiichi Kuribayashi, Toshio Iwasaki, Takeo Nakajima : PWRI
- 0420, 14, B
Dynamic Tests of Rockfill Dam Models
 Norihisa Matsumoto, Mitsuo Toyoda, Minoru Shiga : PWRI
- 0421, 14, B
The Connection Method for Pile Head and Footing of Pile Foundation Subjected to a Horizontal Load
 Nobuyuki Narita, Hideya Asanuma, Jiro Fukui, Yoji Yamamoto : PWRI
- 0422, 14, B
On the Status of In-Situ Strong Ground Motion and Structural Response Investigations
 Christopher Rojahn : Applied Technology Council
 Roger D. Borcherdt : USGS
- 0423, 14, C
A Tsunami Research Plan for the United States
 Eddie N. Bernard : Pacific Marine Environmental Laboratory, NOAA
- 0424, 14, C
Digital Data Services for Tsunamis and Engineering Seismology
 James F. Lander : National Geophysical and Solar-Terrestrial Data Center
- 0425, 14, C
Storm Surge Defense Works and Related Researches in Japan
 Yoshimi Goda : PHRI
 Hiroshi Hashimoto : PWRI
- 0426, 14, C
Storm Surge Forecasting
 Celso S. Barrientos : Center for Environmental Assessment Services, Environmental Data and Information Service, NOAA
- 0427, 14, D
Construction of the Full Scale Reinforced Concrete Test Specimen
 James K. Wight : University of Michigan
- 0428, 14, D
Progress Report on the Full-Scale Seismic Experiment of a Seven-Story Reinforced Concrete Building
 - Part 1 Pseudo-Dynamic Test before Repair -
 Shin Okamoto, Yoshikazu Kitagawa, Shinsuke Nakata, Manabu Yoshimura, Takashi Kaminosono : BRI
- 0429, 14, D
Progress Report on the Full-Scale Seismic Experiment of a Seven-Story Reinforced Concrete Building
 - Part 2 Pseudo-Dynamic Test after Repair -
 Shin Okamoto, Yoshikazu Kitagawa, Shinsuke Nakata, Manabu Yoshimura, Takashi Kaminosono : BRI
- 0430, 14, D
Tests of Planar Wall Assemblies under In-Plane Static Reversing Loads
 B.J. Morgan, Hisahiro Hiraishi, W.G. Corley : Construction Technology Laboratories, Portland Cement Association
- 0431, 14, D
Research Program on the Full-Scale Seismic Experiments of Steel Buildings
 Makoto Watabe, Hiroyuki Yamanouchi, Mitsumasa Midorikawa, Toshibumi Fukuta, Takashi Kaminosono : BRI
- 0432, 14, D
Status of U.S. Research Program on Full-Scale Steel Buildings
 Shih Chi Liu : NSF
- 0433, 14, C
United States Foreign Assistance Program on Tsunami Hazard
 Gerald T. Hebenstreit : Science Applications, Inc.
 Paul F. Krumpke : Office of Foreign Disaster Assistance, AID
- 0434, 14, B
Technical Cooperations in Developing Countries on Earthquake Engineering
 Katsuo Uemura, Makoto Watabe, Yuji Ishiyama, Yutaka Yamazaki : BRI
- 0435, 14, B
Incremental Expansion and Aseismic Design of Low-Cost Housing in Sites and Services Projects
 Emil Simiu : Center for Building Technology, NBS
- 0436, 15, A
On Spatial Structures of High Winds
 Keikichi Naito, Taisuo Hanafusa, Tokunosuke Fujitani : MRI
- 0437, 15, A
Inphase Characteristics of Wind to 150-meters
 John W. Kaufman, Kelly Hill : Marshall Space Flight Center, National Aeronautics and Space Administration
- 0438, 15, A
A Study of Aerodynamic Response of Multi- and Long-Span Road Bridge with Steel Box Girder
 Nobuyuki Narita, Kunio Yamamoto, Hiroshi Sato : PWRI

- 0439, 15, B
Response of Cable Stayed Bridges to Static and Dynamic Loads
 John F. Fleming : University of Pittsburgh
- 0440, 15, B
Results from High Amplitude Dynamic Tests and Implications for Seismic Design
 Bruce M. Douglas, Mehdi Saïdi, James Richardson, James Hart : University of Nevada-Reno
- 0441, 15, B
Earthquake Hazard Mitigation Program in Shizuoka Prefecture
 Mamoru Mizuguchi : Shizuoka Prefectural Government
- 0442, 15, B
Analysis of Earthquake Ground Motion Records from Two Dimensional Seismometer Array - North Tokyo Bay Earthquake of June 4, 1977 -
 Hajime Tsuchida, Seisuo Noda, Susumu Iai, Eiichi Kurata : PHRI
- 0443, 15, B
Analysis of for the 1979 Imperial Valley Earthquake Based on Synthetic Seismogram Modeling of Strong Motion Records
 Ralph J. Archuleta : USGS
- 0444, 15, B
Attenuation of Peak Ground Motions and Absolute Acceleration Response Spectra Based on Japanese Strong Motion Data
 Misato Murakami, Tadashi Arakawa, Kazuhiko Kawashima : PWRI
- 0445, 15, B
Distribution of Supporting Ground for Building in the Osaka Plain
 Eisaku Tsurumi, Masakatsu Horino, Mitsuko Takeda : GSI
- 0446, 15, B
A Technique of Seismic Microzoning for Urban Areas
 Masaya Hirose, Yoshihiro Sugimura, Hiroshi Oh-oka, Izuru Ohkawa : BRI
- 0447, 15, B
Rationalizing the Seismic Coefficient Method
 Arley Gus Franklin, Mary Ellen Hynes-Griffin : WES
- 0448, 15, B
Development of Seismic Repair Techniques for Reinforced Concrete Members
 Masaya Hirose, Shinsuke Nakata, Tetsuro Goto, Manabu Yoshimura : BRI
 Toshio Shiga, Akenori Shibata : Tohoku University
 Hiroshi Imai : Tsukuba University
- 0449, 15, B
Response of Sand-Silt Mixtures to Cyclic Loading
 F.G. McLean : BUREC
- 0450, 15, B
Shaking Table Tests on the Remedial Measures to Improve Seismic Stability of Embankments
 Yasushi Sasaki, Osamu Matsuo : PWRI
- 0451, 15, B
Earthquake Resistance of Drydocks
 C.V. Chelapati, Stanley K. Takahashi : NCEL
- 0452, 15, B
Behaviors of High-Rise Buildings Excited by an Anticipated Tokai Earthquake
 Makoto Watabe, Yuji Ishiyama, Ken Sudo, Katsuhiko Ishibashi, Osamu Chiba : BRI
- 0453, 15, B
Vibration Test of Richard B. Russell Concrete Dam before Reservoir Impoundment
 Robert J. Smith : CORPS
- 0454, 15, B
Distribution of the Dynamic Shear Modulus in a Prototype Rockfill Dam
 Norihisa Matsumoto, Mitsuo Toyoda, Minoru Shiga : PWRI
- 0455, 15, B
Earthquake Engineering Research at National Research Center for Disaster Prevention
 Keiichi Ohtani, Hiroshi Takahashi : NRCDP
- 0456, 15, B
Behavior of Concrete-Filled Steel Tubes (Part 2 ; Bending Members)
 Nobuyuki Narita, Shoichi Saeki, Michio Kanai : PWRI
- 0457, 15, B
Seismic Resistant Bridge Design in California
 James H. Gates : CALTRANS
- 0458, 15, B
Report of the Investigation on Earthquake Damage to Shizunai Bridge
 Nobuyuki Narita, Misato Murakami, Hideya Asanuma : PWRI
- 0459, 15, B
Analytical Procedures Used for the Seismic Design of Highway Bridges
 Roy A. Imbsen : Engineering Computer Corporation
 J. Penzien : University of California, Berkeley

- 0460, 15, B
Data Processing and Methodologies for Assessing Seismic Response Characteristics of Meloland Road Overpass
 Stuart D. Werner, Mihran S. Agbabian : Agbabian Associates
- 0461, 15, C
Development of Storm Surge Forecasting Methods in the United States
 Celso S. Barrientos : Assessment and Information Services Center, National Environmental Satellite, Data, and Information Service, NOAA
- 0462, 15, C
Structural Tsunami Defence and Research on Tsunami Damage Mitigation
 Yoshimi Goda : PHRI
 Hiroshi Hashimoto, Takaaki Uda : PWRI
- 0463, 15, C
Feasibility Study on Mitigating Tsunami Hazards in the Pacific
 Eddie N. Bernard, James F. Lander, Gerald T. Hebenstreit : Pacific Marine Environmental Laboratory, NOAA
- 0464, 15, D
U.S. Research Associated with the U.S.-Japan Cooperative Research Program Using Large-Scale Structural Facilities
 Edgar V. Leyendecker : NBS
- 0465, 15, D
U.S.-Japan Cooperative Research Program Utilizing Large-Scale Testing Facilities - Full-Scale Seismic Tests of a Steel Building and the Supporting Test on its Half-Scaled Partial Frames -
 Katsuro Kamimura, Makoto Watabe, Hiroyuki Yamanouchi, Mitsumasa Midonikawa, Isao Nishiyama, Toshibumi Fukuta : BRI
- 0466, 15, D
Overview of United States Research Projects for the Steel Building for the U.S.-Japan Cooperative Research Program for Large Scale Testing of Buildings
 John B. Scalzi : NSF
- 0467, 15, A
Response of Taut Strip Models to Smooth and Turbulent Flows
 Richard D. Marshall : NBS
 Kunio Yamamoto, Yoichi Nakagami, Kazuo Kanzaki : PWRI
- 0468, 15, A
Characteristics of High Winds Measured at an Observation Tower above the Ocean
 Gen-ichi Naito, Isao Watabe, Masayuki Tokuda, Hiroshi Takahashi : NRCDDP
- 0469, 15, B
Research and Development of Three-Dimensional Shaking Table
 Keiichi Ohtani, Hiroshi Takahashi : NRCDDP
 Goji Fujiwara : Hitachi Company
- 0470, 15, B
High Performance Strong-Motion Seismograph for the JMA Network
 Hideo Watanabe, Hideteru Matsumoto, Michio Takahashi : MRI
 Tatsuo Iinuma : Seismological Observatory, Japan Meteorological Agency
- 0471, 15, B
Microzonation of Tsukuba Science City
 Sadaiku Hattori, Yoshiaki Kashimura : BRI
- 0472, 15, B
Ultimate Strength and Repair Method of Beam-Column Connections Fabricated by Fillet Welding
 Koji Morita : Chiba University
 Koichi Takahashi : University of Tokyo
 Tatsuo Murota : BRI
- 0473, 15, B
Rehabilitation of Road Transportation Systems Damaged by Earthquakes
 Toshio Iwasaki, Takeo Nakajima, Katsushi Goto : PWRI
- 0474, 15, B
Dynamic Response Analysis of Shizunai Bridge Damaged by the Urakawa-Okii Earthquake of March 21, 1982
 Toshio Iwasaki, Ryoji Hagiwara : PWRI
- 0475, 15, B
Experimental Study on Failure Pattern of Embankment Supported by Sandy Layers during Earthquakes
 Tadashi Arakawa, Toshio Kimata, Masuo Kondo : PWRI
- 0476, 15, C
El Nino-Southern Oscillation Episode of 1982-1983
 Celso S. Barrientos : Assessment and Information Services Center, National Environmental Satellite, Data, and Information Service, NOAA
- 0477, 15, C
Tidal Anomalies Induced by the Typhoons 8210 and 8218
 Yoshinobu Tsuji, Atsushi Takeda, Tatsuo Konishi, Hiroshi Takahashi : NRCDDP
- 0478, 15, D
U.S.-Japan Cooperative Research Program Utilizing Large-Scale Testing Facilities Correlation between Shaking Table Test and Pseudo Dynamic Test on Steel Structures
 Shin Okamoto, Yutaka Yamazaki, Takashi Kaminosono, Masayoshi Nakashima : BRI

- 0479, 15, D
U.S.-Japan Cooperative Research Program Utilizing Large-Scale Testing Facilities - Analysis of RC Full-Scale Building Test - Makoto Watabe, Shinsuke Nakata, Manabu Yoshimura, Yukinobu Kurose : BRI
- 0480, 16, A
Wind Resistant Design of a Long-Span Suspension Bridge with a Stiffening Box Girder
 Nobuyuki Narita, Kunio Yamamoto, Hiroshi Sato, Satoshi Yuzawa, Kazuo Kanzaki : PWRI
- 0481, 16, A
An Assessment of Surface Wind Speeds during Hurricane Alicia
 Richard D. Marshall : Center for Building Technology, NBS
- 0482, 16, A
Active Turbulence Generation for Section Model Studies
 Dryver R. Huston : Princeton University
 Harold R. Bosch : FHWA
- 0483, 16, A
An Empirical Tornado Hazard Assessment Model
 Joseph T. Schaefer, Donald L. Kelly : National Weather Service, NOAA
 Robert F. Abbey : Office of Naval Research
- 0484, 16, B
An Experimental Study on the Earthquake Resistance of Wall Type Improved Ground by Deep Mixing Method
 Takamasa Inatomi, Hajime Tsuchida, Setsuo Noda : PHRI
- 0485, 16, B
Dynamic Testing of Homogeneous Embankment Models
 R.W. Luchring, K.K. Adhya : BUREC
- 0486, 16, B
Rapid Analysis Procedure for Gravity Type Quaywalls
 Tingley K. Lew : NCEL
- 0487, 16, B
Earthquake Analysis and Design of Concrete Gravity Dams
 Lucian G. Guthrie : CORPS
- 0488, 16, C
THRUST
 Eddie N. Bernard, Richard R. Behn : Pacific Marine Environmental Laboratory, NOAA
- 0489, 16, C
Data Services Supporting the THRUST Project
 James F. Lander : National Geophysical Data Center, NOAA
- 0490, 16, C
The Role of Numerical Models in the THRUST Program
 Gerald T. Hebenstreit : Science Applications, Inc.
- 0491, 16, B
In Situ Determination of Liquefaction Potential Using the PQS Probe
 William E. Norton : WES
- 0492, 16, B
Damage to Port Facilities due to Liquefaction during the Nihonkai-Chubu Earthquake, 1983
 Setsuo Noda, Takamasa Inatomi, Hajime Tsuchida : PHRI
- 0493, 16, B
Evaluation of the Effects of Soil and Rock on Earthquake Ground Motion
 Walter W. Hays : USGS
- 0494, 16, B
Damage and Repair of Namioka Town Hospital Damaged by the Nihonkai-Chubu Earthquake, 1983
Part 1 : Outline of Damage and Screening of Structural Safety
 Masaya Hirose, Hisahiro Hiraishi, Tetsuro Goto, Manabu Yoshimura : BRI
 Tomoaki Akiyama : Tokyo Soil Research Co., Ltd.
- 0495, 16, B
Damage and Repair of Namioka Town Hospital Damaged by the Nihonkai-Chubu Earthquake, 1983
Part 2 : Analysis of Damage by Elasto-Plastic Static and Dynamic Analysis
 Yoshikazu Kitagawa, Yutaka Yamazaki, Masaomi Teshigawara : BRI
- 0496, 16, B
Damage and Repair of Namioka Town Hospital Damaged by the Nihonkai-Chubu Earthquake, 1983
Part 3 : Retrofit Design and Estimation of the Effect
 Masaya Hirose : BRI
 Kaname Takahara : Oka-Sekkei Co., Ltd.
 Tomoaki Akiyama : Tokyo Soil Research Co., Ltd.
- 0497, 16, B
Model Experiments of Dynamic Behavior of Reinforced Concrete Bridge Pier Columns
 Toshio Iwasaki, Ryoji Hagiwara, Kinji Hasegawa, Tatsuhiko Koyama, Takeshi Yoshida : PWRI
- 0498, 16, B
Box Girder Bridge Hinge Restrainer Test Program
 Lawrence G. Selna, L. Javier Malvar : University of California

- 0499, 16, B
Seismic Vulnerability of Prestressed Concrete Segmental Bridges
Walter Podolny, Jr. : FHWA
- 0500, 16, B
Report on Damages to Civil Engineering Structures due to the Nihonkai-Chubu Earthquake of 1983
Toshio Iwasaki, Yasushi Sasaki, Yasuhiko Wakisaka, Norihisa Matsumoto, Katsumi Senoo, Tadashi Arakawa, Kazuhiko Kawashima, Naomi Obinata : PWRI
- 0501, 16, B
Behavior of the Meloland Road Overcrossing during the 1979-Imperial Valley Earthquake
Bruce M. Douglas, Gary Norris, Lawrence Dodd, James Richardson : University of Nevada-Reno
- 0502, 16, B
Development of Strong Earthquake Alarm System for Tokai Earthquake
Keiichi Ohtani, Hiroshi Takahashi : NRCDP
- 0503, 16, B
Analysis of the Kurayoshi-Higashi City Office Damaged by the Tottori Earthquake of 1983
Masaya Hirose, Yutaka Yamazaki, Hideo Tsukagoshi : BRI
- 0504, 16, B
Behavior of Concrete-Filled Steel Tubes (Part 3 ; Beam-Column Members)
Shoichi Saeki, Koichi Minosaku, Akira Takizawa : PWRI
- 0505, 16, B
Seismic Design Guidelines for Essential Buildings
Sigmund A. Freeman : Wiss Janney Elstner Associates
Joseph P. Nicoletti : URS/Blume and Associates
George Matsumura : CORPS
- 0506, 16, B
Engineering Considerations Based on Simulating the Near-Source Ground Motion of the 1979 Imperial Valley Earthquake
Ralph J. Archuleta : USGS
- 0507, 16, B
Large-Scale Tests for Measuring Dynamic Shear Moduli and Damping Ratios of Rockfill Materials
Ryuichi Iida, Norihisa Matsumoto, Nario Yasuda, Kazuo Watanabe, Norio Sakaino, Kazuaki Ohno : PWRI
- 0508, 16, B
Effects of Permeability of Gravel Drains on the Uplift Acting on Semi-Buried Structures due to Liquefaction
Yasushi Sasaki, Eiichi Taniguchi : PWRI
- 0509, 16, B
Experiments and Researches on Lateral Resistance of Piles in a Slope
Misato Murakami, Kazuya Ohshima, Yukio Sato, Ryoichi Abo : PWRI
- 0510, 16, B
Experimental Study of Embankment on Sandy Layers during Earthquakes - Characteristics of Reconstructed Embankment on Liquefied Layers -
Tadashi Arakawa, Kazuhiko Kawashima, Hideo Matsumoto, Masuo Kondo : PWRI
- 0511, 16, B
Seismic Risk Evaluation - The Meaning, Comparative Study of Method and an Example of Analysis in Scandinavia Area -
Sadaiku Hatori : BRI
- 0512, 16, B
Elasto-Plastic Behavior of the Steel Frames with Concentric K-Type Braces
Toshibumi Fukuta, Isao Nishiyama, Hiroyuki Yamanouchi, Masaya Hirose : BRI
- 0513, 16, B
Strong Motion Estimation due to a Realistic Earthquake Faulting
Ken Sudo, Yoshikazu Kitagawa, Naoki Yoshimura : BRI
- 0514, 16, B
Criteria for Overturning of Bodies by Earthquake Excitations
Yuji Ishiyama : BRI
- 0515, 16, B
Relationship between Seismic Disaster and Ground Condition in Noshiro Area, Akita Prefecture
Eisaku Tsurumi, Masakatsu Horino, Masataka Ohta : GSI
- 0516, 16, C
Inundation Damages due to the 1983 Nihonkai-Chubu Earthquake Tsunami
Takaaki Uda : PWRI
- 0517, 16, C
Distribution of Inundation Height of the Nihonkai-Chubu Earthquake Tsunami along the Coast of Japan and Korea
Yoshinobu Tsuji, Takeo Kinoshita, Tatsuo Konishi, Hiroshi Takahashi : NRCDP
Un Seop Peak : Central Meteorological Observatory, Republic of Korea
Kyo Sung Chu : Hydrographic Office, Traffic Division, Republic of Korea
Hui Soo An : Seoul National University, Republic of Korea

0518. 16. D
U.S.-Japan Cooperative Research Program Utilizing Large-Scale Testing Facilities - Correlation between Shaking Table Test and Pseudo Dynamic Test on Steel Braced Frame -
 Shin Okamoto, Yutaka Yamazaki, Masayoshi Nakashima, Takashi Kaminosono : BRI
0519. 16. D
Activities of the United States EERI Committee on the Anticipated Tokai Earthquake
 Charles Scawthorn : Dames & Moore
0520. 16. D
U.S.-Japan Cooperative Research on In-Situ Testing Procedures for Assessing Soil Liquefaction (No.1)
 Yasushi Sasaki, Katsuyuki Kutara, Toshio Iwasaki, Hiroshi Miki, Yoshihiro Ito, Koji Kaminaga : PWRI
 W.D. Kovacs : Rhode Island University
 L.A. Salomone : NBS
 Jeffrey A. Farrar : BUREC
0521. 16. D
Status of the US/Japan Cooperative Earthquake Engineering Research Program on the Performance of Building Structures
 Robert D. Hanson : University of Michigan
0522. 16. D
U.S.-Japan Cooperative Earthquake Research Program Utilizing Large Scale Test Facilities - Preliminary Studies and Test Results of Eccentrically Braced Full-Size Steel Structure -
 Subhash C. Goel : University of Michigan
 Douglas A. Foutch : University of Illinois
0523. 16. D
Inelastic Seismic Tests on a Full-Scale Six-Story Concentric-K Braced Steel Building - U.S.-Japan Cooperative Research Program -
 Hiroyuki Yamanouchi, Mitsumasa Midorikawa, Isao Nishiyama, Katsuo Uemura : BRI
0524. 17. A
Interpretation of Section Model Aeroelastic Results in the Case of Cable-Stayed Bridges
 Robert H. Scanlan : Princeton University
0525. 17. A
Characteristics of Aerodynamic Forces on Bridge Decks in Smooth Flow and in Turbulent Flow
 Nobuyuki Narita, Hirohiko Tada, Koichi Yokoyama, Hiroshi Sato : PWRI
0526. 17. A
Field Measurements on the Deer Isle-Sedgwick Suspension Bridge
 Harold R. Bosch : FHWA
0527. 17. A
Wind Tunnel Modeling for Flow around Buildings
 Tatsuo Murota, Hisashi Okada : BRI
 Takeshi Ohkuma : Kanagawa University
0528. 17. A
Automatic Detection of Gust Fronts with a Single Doppler Radar
 Hiroshi Ueda, Hiroshi Takahashi : NRCDP
 Dusan S. Zrnich : National Severe Storms Laboratory, Environmental Research Laboratories, NOAA
0529. 17. B
Earthquake Hazard Reduction Program of the Department of State
 Peter E. Gurvin : OFB
0530. 17. B
Strong Motion Instrumentation in Bureau of Reclamation Programs
 Robert B. MacDonald, Andy Viksne : BUREC
0531. 17. B
Array Observation of Strong-Motion Earthquakes in the Fuchu Area
 Keiichi Ohtani, Shigeo Kinoshita, Tadashi Mikoshiba : NRCDP
0532. 17. B
Implications of Recent Advances in Instrumentation for Strong-Motion Studies
 Roger D. Borchardt : USGS
0533. 17. B
Dynamic Behaviours of a Rockfill Dam during Earthquakes
 Norihisa Matsumoto, Nario Yasuda, Minori Shiga : PWRI
0534. 17. B
Vibration Test of Richard B. Russell Concrete Dam after Reservoir Impoundment
 Robert J. Smith : CORPS
0535. 17. B
Earthquake Resistant Bridge Design in California
 James H. Gates : CALTRANS
0536. 17. B
Seismic Analysis, Instrumentation and Dynamic Testing of Cable-Supported Bridges
 Ahmed M. Abdel-Ghaffar : Princeton University
0537. 17. B
Earthquake Resistant Design of Building Foundation - Introduction and Commentary on "Design Guide for the Building Foundation against Seismic Force" -
 Yoshihiro Sugimura : BRI

- 0538, 17, B
Shear Resistance of Unreinforced Hollow Concrete Block Masonry Walls
 Kyle A. Woodward, Frank Rankin : NBS
- 0539, 17, B
An Experimental Study on Sliding Block in Water during Earthquake
 Tatsuo Uwabe, Norihiro Higaki, Setsuo Noda : PHRI
- 0540, 17, B
A Rapid Seismic Analysis Procedure for Anchored Sheet Pile Bulkheads
 Tingley K. Lew : NCEL
- 0541, 17, B
Design of Piles for Slopes
 Hirohiko Tada, Kazuya Ohshima, Yukio Sato, Ryoichi Abo : PWRI
- 0542, 17, B
Dynamic Stresses and Displacements in a Buried Tunnel
 S.K. Datta : Cooperative Institute of Research in Environmental Sciences
 K.C. Wong : University of Colorado
 A.H. Shah : University of Manitoba
- 0543, 17, C
Damages of Coastal and River Structures Caused by the Nihonkai-Chubu Earthquake Tsunami
 Takaaki Uda, Atsushi Omata : PWRI
- 0544, 17, C
Progress in Developing Tsunami Data Base
 James F. Lander, Patricia A. Lockridge : National Geophysical Data Center, NOAA
- 0545, 17, C
Tsunamis in the Japan Sea with Numerical Calculation
 Yoshinobu Tsuji, Hiroshi Takahashi : NRCDP
 Tatsuo Konishi : Japan Meteorological Agency
- 0546, 17, D
Recommended U.S.-Japan Joint Research on Seismic Behavior of Buried Pipelines and Telecommunications Systems
 Masanobu Shinozuka : Columbia University
- 0547, 17, D
Experimental Investigation on Hysteretic Behavior of Reinforced Concrete Bridge Pier Columns
 Toshio Iwasaki, Kazuhiko Kawashima, Ryoji Hagiwara, Kinji Hasegawa, Tatsuhiko Koyama, Takeshi Yoshida : PWRI
- 0548, 17, D
Re-Evaluation of Liquefaction Resistance Curves
 Riley M. Chung : NBS
 H. Bolton Seed : University of California, Berkeley
 Arley Gus Franklin : WES
 Jeffrey A. Farrar : BUREC
- 0549, 17, D
In-Situ Test for Assessing Liquefaction Potential Using Vibratory Cone Penetrometer
 Yasushi Sasaki, Yasuyuki Koga, Yoshihiro Ito, Takao Shimazu, Masuo Kondo : PWRI
- 0550, 17, D
U.S.-Japan Joint Earthquake Research Program Involving Large-Scale Experiments on Masonry Building Structures - Japan Side Research Plan -
 Shin Okamoto, Yutaka Yamazaki, Akio Baba, Masaomi Teshigawara, Hisahiro Hiraiishi : BRI
- 0551, 17, D
Inelastic Seismic Tests on a Full-Scale Six-Story Eccentric-K Braced Steel Building - U.S./Japan Cooperative Earthquake Research Program -
 Hiroyuki Yamanouchi, Mitsumasa Midonikawa, Isao Nishiyama, Masaya Hirose : BRI
- 0552, 17, D
Seismic Performance of Existing Buildings - A Progress Report -
 Richard N. White, Peter Gergely : School of Civil and Environmental Engineering, Cornell University
- 0553, 17, B
Study on Economical Losses Caused by Change of Cargo Flow at Port of Akita due to the Nihonkai-Chubu Earthquake, 1983
 Akira Yonezawa, Hajime Tsuchida : PHRI
- 0554, 17, B
Landslides and Damages due to the Naganoken-Seibu Earthquake of September 14, 1984
 Masateru Tominaga, Yasushi Sasaki, Katsumi Senoo, Hiroyuki Yoshimatsu, Eiichi Taniguchi, Kimiaki Nakano, Naomi Obinata, Yoshifumi Hara, Tetsuro Kuwabara : PWRI
- 0555, 17, B
Geomorphological Characteristics and Factors of the Large-Scale Landslide and Detritus Flow on the South Slope of Ontake Volcano Caused by the Naganoken-Seibu Earthquake, 1984
 Masatoshi Nagaoka, Yoshihisa Hoshino, Yoshimichi Takei, Seiji Ichikawa, Fumio Saito : GSI

- 0556, 17, B
Seismological Studies on the Naganoken-Seibu Earthquake, 1984, Based on JMA Seismic Network
 Minoru Takeo, Naoya Mikami, Masaji Ichikawa : MRI
- 0557, 17, A
Features of Ocean Wind Fluctuations during Typhoon Passages
 Gen-ichi Naito, Hiroshi Takahashi : NRCDP
- 0558, 17, A
The Variation of Gust Structure with Height up to 200m
 Keikichi Naito, Tatsuo Hanafusa, Tokunosuke Fujitani : MRI
- 0559, 17, B
Seismic Vulnerability of Lifeline System Using Computervision CADD Color Graphics Software
 C.V. Chelapati : California State University
 Stanley K. Takahashi : NCEL
- 0560, 17, B
Vertical Distribution of Subsurface Horizontal Earthquake Accelerations
 P.C. Chen : Interpacific Technology, Inc.
- 0561, 17, B
Shaking Table Test on the Effects of Thickness of Liquefied Layer on Deformation of Embankments
 Toshio Iwasaki, Yasushi Sasaki, Hideo Matsumoto, Masuo Kondo : PWRI
- 0562, 17, B
Study on Aseismic Measures to Embankments on Soft Clay Ground
 Yasuyuki Koga, Osamu Matsuo : PWRI
- 0563, 17, B
Draft of Guidelines for Post-Earthquake Inspection and Evaluation of Earthquake Damage in Reinforced Concrete Buildings and its Application to the Namioka Town Hospital Building
 Tsuneo Okada : Institute of Industrial Science, University of Tokyo
 Masaya Hirose, Hisahiro Hiraishi, Manabu Yoshimura : BRI
- 0564, 17, B
Dense Strong Motion Earthquake Seismometer Array at Site with Different Topographic and Geologic Condition in Sendai
 Yoshikazu Kitagawa, Toshihide Kashima, Masaya Hirose : BRI
- 0565, 17, B
Influence of Soil Conditions upon Response Spectrum of Strong Ground Motion
 Izuru Ohkawa, Yuji Ishiyama : BRI
- 0566, 17, C
Regional Tsunami Warning System (THRUST)
 Eddie N. Bernard, Richard R. Behn : Pacific Marine Environmental Laboratory, NOAA
- 0567, 17, C
Studies on Storm Surges in Tidal Estuaries
 Tatsuo Konishi, Takeo Kinoshita, Hiroshi Takahashi : NRCDP
- 0568, 17, D
A SDOF Model to Analyze Earthquake Response of a Full-Scale Seven-Story Reinforced Concrete Structure
 Manabu Yoshimura, Shin Okamoto, Vladimir Sigmund : BRI
- 0569, 17, B
Settlement of Approaching Embankments to Bridges Caused by the Nihonkai-Chubu Earthquake
 Yasuyuki Koga, Eiichi Taniguchi : PWRI
- 0570, 17, B
Rock Avalanche and Slope Failures induced by the Naganoken-Seibu Earthquake, 1984
 Kohei Tanaka, Norio Ohyagi, Takashi Inokuchi, Shigetsugu Uehara, Hiroshi Takahashi : NRCDP
- 0571, 18, A
On the Evaluation of Wind-Induced Vibrations of Long-Span Bridges Using Taut-Strip Models
 Nobuyuki Narita, Hirohiko Tada, Koichi Yokoyama, Hiroshi Sato, Kazuo Kanzaki, Makoto Fukuda : PWRI
- 0572, 18, A
The Response of Taut Strip Models : Comparisons of Theoretical and Experimental Results
 Robert H. Scanlan : Johns Hopkins University
 Richard D. Marshall : NBS
- 0573, 18, A
The Effects of Large-Scale Upstream Gusting on the Aeroelastic Behavior of Section Models
 Dryver R. Huston : Johns Hopkins University
 Harold R. Bosch : FHWA
 H. Tanaka : Hitachi Zosen Corp.
- 0574, 18, A
A Full-Scale Measurement of Wind Load on a Solar Water Heater
 Hisashi Okada, Tatsuo Murota : BRI
- 0575, 18, A
Design Criteria for Glass Cladding Subjected to Wind Loads
 Emil Simiu, Erik M. Hendrickson : Center for Building Technology, NBS

- 0576, 18, A
Spatial Structure of the Wind in the Marine Boundary Layer
 Keikichi Naito, Tatsuo Hanafusa, Tokunosuke Fujitani : MRI
- 0577, 18, B
Spectral Characteristics of Ground Motion in the Tokyo Metropolitan Area
 Keiichi Ohtani, Shigeo Kinoshita : NRCDP
- 0578, 18, B
Strong-Motion Recordings from the Hollister, California, Area M5.5 Earthquake, 26 January, 1986
 A. Gerald Brady, Richard P. Maley, G. Noel Bycroft : USGS
- 0579, 18, B
Dense Instrument Array System by PWRI for Observing Strong Earthquake Motion
 Toshio Iwasaki, Yasushi Sasaki, Keiichi Tamura, Koh Aizawa, Kazuyuki Takahashi : PWRI
- 0580, 18, B
Vibrating Tests of an Asphaltic Facing Cofferdam by Blastings
 Norihisa Matsumoto, Nario Yasuda, Minoru Shiga : PWRI
- 0581, 18, B
Summary of the Richard B. Russell Concrete Dam Vibration Study
 Vincent P. Chiarito : WES
 Robert J. Smith : CORPS
- 0582, 18, B
Shaking Table Tests on Seismic Stability of Reinforced Embankments
 Yasuyuki Koga, Eiichi Taniguchi, Yoshihiro Ito : PWRI
- 0583, 18, B
Status Report on New Study of Lower Van Norman Dam
 Arley Gus Franklin : WES
- 0584, 18, B
Seismic Design Procedure and Dynamic Strength of CAB
 Toshio Iwasaki, Kazuhiko Kawashima, Naomi Obinata, Shigeki Unjo : PWRI
- 0585, 18, B
Large-Scale Bridge Column Tests - A Progress Report -
 Edgar V. Leyendecker, William C. Stone, Gerakline S. Cheok : NBS
- 0586, 18, B
Outline of Manual for Repair Methods for Civil Engineering Structures Damaged by Earthquakes
 Toshio Iwasaki, Shigetoshi Kobayashi, Takaaki Uda, Yutaro Asai, Yasuyuki Koga, Yasushi Sasaki, Kazuhiko Kawashima : PWRI
- 0587, 18, B
Effects of Vertical Contraction Joints on the Dynamic Response of Arch Dams
 H.L. Boggs : BUREC
 J.R. Mays : University of Colorado
- 0588, 18, B
Decision Analysis for Embankment Dams under Seismic Load
 T.A. Luebke : BUREC
- 0589, 18, B
A New Criterion for Assessing Liquefaction Potential
 Susumu Iai, Hajime Tsuchida, Setsuo Noda : PHRI
- 0590, 18, B
Earthquake Safety Investigation of Existing Facilities
 Joseph V. Tyrrell : NAVFAC
- 0591, 18, B
Thematic Mapping Works for Seismic Disaster Prevention in Geographical Survey Institute, Japan
 Masatoshi Nagaoka, Hiroyuki Matsuda : GSI
- 0592, 18, B
Loading Test on the Connection of Concrete Filled Steel Tubes
 Hirohiko Tada, Hiroshi Shinohara, Koichi Minosaku, Akira Takizawa, Jun Hikino : PWRI
- 0593, 18, B
Deformation Capacity of Steel Truss Girder
 Isao Nishiyama, Tatsuo Murota : BRI
 Choei Kaji, Shin-ichi Ina : Japan Federation of Architect Office Association
- 0594, 18, C
Satellite Methods and Applications in Marine Environmental Analysis
 Celso S. Barrientos, F.G. Everdale, R.P. Stumpf : Assessment and Information Services Center, National Environmental Satellite, Data and Information Service, NOAA
- 0595, 18, C
Discrimination of Flooded Areas Caused by Tsunami or Storm Surge Using Satellite Data
 Atsushi Takeda, Yoshinobu Tsuji, Hiroshi Takahashi : NRCDP

- 0596, 18, C
Fault Displacement Seiche Waves on Inland Reservoir and Lakes
 Robert L. Dewey, Karl M. Diss : BUREC
- 0597, 18, C
Practical Approach for Determining Stage Frequency
 H. Lee Butler, Thomas A. Hardy : Coastal Engineering Research Center, WES
- 0598, 18, D
U.S.-Japan Coordinated Earthquake Research Program on Reinforced Masonry Buildings - Seismic Capacity of Reinforced Masonry Walls and Beams -
 Shin Okamoto, Yutaka Yamazaki, Takashi Kaminosono, Masaomi Teshigawara, Hisahiro Hiraishi : BRI
- 0599, 18, D
U.S.-Japan Coordinated Program on Masonry Research
 Shin Okamoto : BRI
 James L. Noland : Atkinson-Noland & Associates
- 0600, 18, D
Seismic Behavior of a Full-Scale K-Braced Steel Building Structure
 Hiroyuki Yamanouchi, Mitsumasa Midorikawa, Isao Nishiyama, Tatsuo Murota : BRI
- 0601, 18, D
Full-Scale Studies of Steel Structures
 Robert D. Hanson : University of Michigan
- 0602, 18, D
Field Investigation of Seismically Damaged Sites by Use of Vibratory Cone Penetrometer
 Yasuyuki Koga, Yasushi Sasaki, Yoshihiro Ito, Osamu Matsuo : PWRI
- 0603, 18, B
Earthquake Damage in Mexico Caused by the September 1985 Earthquakes
 Edgar V. Leyendecker, William C. Stone, Felix Y. Yokel : NBS
- 0604, 18, B
Japan-Mexico Technical Cooperation on Damage Evaluation, Repair and Strengthening of Buildings Damaged by 1985 Mexico Earthquake
 Masaya Hirose, Tatsuo Murota : BRI
- 0605, 18, B
Aspects of Strong Motion from the Michoacan, Mexico Earthquake of September 19, 1985
 John G. Anderson, James N. Brune, Jorge Prince, Paul Bodin : University of California
 Enrique Mena, Mario Oñate, Roberto Quas, Shri Krishna Singh : Universidad Nacional Autónoma de México
- 0606, 18, B
Seismic Damage to Port Facilities by the 1985 Chile Earthquake and Improvement of Seismic Safety of the Damaged Ports
 Hajime Tsuchida, Setsuo Noda : PHRI
- 0607, 18, B
Observation of the Structural Damage Caused by the 3 March 1985 Chile Earthquake
 Mete A. Sozen : University of Illinois
- 0608, 18, B
An Investigation on a Twelve-Story Office Building Damaged by the 1985 Mexico Earthquake
 Hisahiro Hiraishi, Masaya Hirose, Hideo Tsukagoshi, Toshihide Kashima, Toshikazu Kawashima : BRI
- 0609, 19, A
Mean Wind Force Measurements on the Deer Isle-Sedgwick Suspension Bridge
 Harold R. Bosch : FHWA
- 0610, 19, A
Field Experiments for Wind Pressure
 Kishor C. Mehta : Institute for Disaster Research, Texas Tech University
- 0611, 19, A
Aerodynamic Characteristics of Continuous Box Girder Bridges Relevant to their Vibrations in Wind
 Nobuyuki Narita, Koichi Yokoyama, Hiroshi Sato, Yoichi Nakagami : PWRI
- 0612, 19, A
On Interpreting Model and Prototype Responses of Suspended-Span Bridges to Wind
 Robert H. Scanlan : Johns Hopkins University
- 0613, 19, B
The United States Geological Survey Accelerograph Network in the U.S.- Operations, Record Processing and Research
 A. Gerald Brady : USGS
- 0614, 19, B
Estimation of Source Time Function Based on Strong Motions and its Application for Engineering
 Yoshikazu Kitagawa, Takahito Inoue, Tatsuo Murota : BRI
- 0615, 19, B
Strong-Motion Instrumentation Program Corps of Engineers
 Frank K. Chang, R.F. Ballard, Jr., Arley Gus Franklin : WES

- 0616, 19, B
Comparisons of Dynamic Shear Strength between Fine Sands and Gravels
 Norihisa Matsumoto, Nario Yasuda, Masahiko Ohkubo, Shoji Arakawa : PWRI
- 0617, 19, B
Preliminary Study of Shear Design for RC Piers
 Hiroshi Shinohara, Michio Okahara, Shoichi Nakatani, Keiji Taguchi, Atsushi Funakoshi : PWRI
- 0618, 19, B
Some Recent Studies on Lifeline Earthquake Engineering in the United States : Experimental and Field Study
 Thomas D. O'Rourke : Cornell University
 Jeremy Isenberg : Weidinger Associates
- 0619, 19, B
Some Recent Studies on Lifeline Earthquake Engineering in the United States : Analysis and Design
 Masanobu Shinozuka : Columbia University
 Leon Ru-Liang Wang : Old Dominion University
- 0620, 19, B
A Review of Base Isolation for Upgrading Earthquake Performance of Building Structures
 Nishikant R. Vaidya : Paul C. Rizzo Associates
 Robert J. Smith : CORPS
- 0621, 19, B
Consideration of Earthquakes in Highway Earthworks
 Yasuyuki Koga, Akiomi Shimazu, Eiichi Taniguchi : PWRI
- 0622, 19, B
Damage, Strengthening, and Retrofit of Bridges
 James H. Gates : CALTRANS
- 0623, 19, B
Large Scale Model Tests and Analysis of Gravel Drains
 Susumu Iai, Katsuhiko Koizumi, Setsuo Noda, Hajime Tsuchida : PHRI
- 0624, 19, B
Experimental Study on Degree of Fixation at Pile Head Joint and Failure Strength of Prestressed High Strength Concrete Piles
 Yoshihiro Sugimura, Tsutomu Hirade : BRI
- 0625, 19, B
Schemes for Seismic Upgrading of a Major Hospital
 Joseph V. Tyrrell : NAVFAC
- 0626, 19, C
Experimental Investigation on the Damage of Offshore Seawall due to the 1983 Nihonkai-Chubu Earthquake Tsunami
 Katsutoshi Tanimoto, Hiroichi Tsuruya : PHRI
- 0627, 19, C
A Summary of the Tsunami History of the United States
 Herbert Meyers, Patricia A. Lockridge, James F. Lander : National Geophysical Data Center, NOAA
- 0628, 19, C
An Estimation of Tsunami Generated by Submarine Landslide
 Shin-ichi Iwasaki, Hiroshi Takahashi : NRCDP
- 0629, 19, C
A Computer Program for Producing Tsunami Travel-Time Chart
 Masami Okada, Masaji Ichikawa : MRI
- 0630, 19, C
Numerical Simulation and Experiment on Tsunami Run-Up
 Takaaki Uda, Atsushi Omata, Yasuhisa Yokoyama : PWRI
- 0631, 19, D
Effect of Number of Loading Cycles and Loading Velocity of Reinforced Concrete Bridge Piers
 Toshio Iwasaki, Kazuhiko Kawashima, Kinji Hasegawa, Tatsuhiko Koyama, Takeshi Yoshida : PWRI
- 0632, 19, D
Study of in Situ Testing for Evaluation of Liquefaction Resistance and Occurrence
 Jeffrey A. Farrar : BUREC
- 0633, 19, D
U.S.-Japan Coordinated Earthquake Research Program on Masonry Buildings - Seismic Behavior of Three-Story Full Scale Brick Planar Frame Under Cyclic Lateral Loading -
 Shin Okamoto, Yutaka Yamazaki, Takashi Kaminosono, Masaomi Teshigawara, Hisahiro Hiraishi : BRI
- 0634, 19, D
U.S. Coordinated Program for Masonry Building Research - 1986/87
 James L. Noland : Atkinson-Noland & Associates
- 0635, 19, A
Wind Tunnel Test on Behavior of Rooftiles under Strong Wind
 Hisashi Okada, Tatsuo Murota : BRI

- 0636, 19, B
Seismic Microzonation Using Urban Ground Information
 Shinkichi Kishi, Toshikazu Morohoshi, Keiichi Ohtani, Hiroshi Takahashi : NRCDP
- 0637, 19, B
Simplified Evaluation Procedure on Seismic Stability of Embankments on Liquefiable Ground
 Yasuyuki Koga, Osamu Matsuo : PWRI
- 0638, 19, B
Strong Motion Observation System of PWRI
 Toshio Iwasaki, Yasushi Sasaki, Tetsuro Kuwabara : PWRI
- 0639, 19, B
Evaluation of Economical Losses Induced by the Nihonkai-Chubu Earthquake of 1983
 Toshio Iwasaki, Kazuhiko Kawashima, Naomi Obinata, Takashi Kano : PWRI
- 0640, 19, B
Analysis of Strong Motion Earthquake Records on January 9, 1987
 Nobuyoshi Yamaguchi, Sadaiku Hattori, Shinsuke Nakata, Hatsukazu Mizuno, Masanori Iiba : BRI
- 0641, 19, B
Seismic Investigation and Improvement of Electrical Utility Systems
 Joseph V. Tyrrell : NAVFAC
- 0642, 19, D
Practical Results for Design by Full-Scale Seismic Studies on K-Braced Steel Structure
 Hiroyuki Yamanouchi, Mitumasa Midorikawa, Isao Nishiyama : BRI
- 0643, 20, A
Modeling the Effect of Spanwise Coherence of Aerodynamic Forces on Full-Bridge Response
 Fazl Ehsan : John Hopkins University
 Harold R. Bosch : FHWA
- 0644, 20, A
Studies on Wind-Resistant Design of Highway Bridges and New Design Codes in Japan
 Nobuyuki Narita, Koichi Yokoyama, Hiroshi Sato : PWRI
- 0645, 20, A
Anchorage and Foundations Wind Resistance of Manufactured Homes
 G. Robert Fuller : HUD
- 0646, 20, A
Present State of Wind Engineering Research Related to Building Design in Japan
 Tatsuo Murota, Hisashi Okada : BRI
- 0647, 20, A,B
Outline on Research Results of Wind and Seismic Effects during 2 Decades at the National Research Center for Disaster Prevention
 Keiichi Ohtani, Hiroshi Takahashi : NRCDP
- 0648, 20, B
Development of Design Criteria for Mitigating Earthquake Damage - The Program of the Federal Emergency Management Agency -
 Richard W. Krimm : FEMA
- 0649, 20, B
State-of-the-Art on Earthquake Engineering to Port and Harbour in Japan
 Setsuo Noda, Hajime Tsuchida : PHRI
- 0650, 20, B
Overburden Correction for Blowcounts in Gravels
 Mary Ellen Hynes-Griffin, Arley Gus Franklin : WES
- 0651, 20, B
Sand Liquefaction Tests Using a Geotechnical Dynamic Centrifuge
 Yasuyuki Koga, Eiichi Taniguchi, Jun-ichi Koseki, Tadashi Morishita : PWRI
- 0652, 20, B
In Situ Measurement of Pore Pressure Build-Up during Liquefaction
 Thomas L. Holzer, Michael J. Bennett : USGS
 T. Leslie Youd : Brigham Young University
- 0653, 20, B
Two Directional Loading Test for Partially Concrete Filled Steel Columns
 Shoichi Saeiki, Minoru Fujiwara, Koichi Minosaku, Jun Hikino : PWRI
- 0654, 20, B
Similitude Studies of Prototype and 1/6-Scale Model Bridge Columns under Reversed Cyclic Loading
 William C. Stone, Geraldine S. Cheok, H.S. Lew : NBS
- 0655, 20, B
Study on the Development of the Mixed Structural System Composed of Reinforced Concrete Column and Structural Steel Girder
 Hiroyuki Yamanouchi, Isao Nishiyama : BRI
- 0656, 20, B
Effects of Soil and Rock on Ground Motion and Potential Damage in an Earthquake
 Walter W. Hays : USGS

- 0657, 20, B
Seismic Performance of Reinforced Concrete High-Rise Frame Structure with Wall Columns
 - Part 1 : Deformation Capacity of Principal Structural Elements such as Wall Columns, Beams and Shear Walls -
 Masaya Hirose, Hisahiro Hiraishi, Masaki Fujisawa : BRI
 Manabu Yoshimura : Tokyo Metropolitan University
- 0658, 20, B
Vibration Studies of Richard B. Russell Concrete Gravity Dam
 Robert Hall, Messrs Tommy Bevins, Stephen Wright : CORPS
- 0659, 20, B
Base Isolated Building Structures in Japan
 Yoshikazu Kitagawa, Masaya Hirose : BRI
- 0660, 20, B
Shaking Table Test on the Ridge Response during Earthquake
 Yasushi Sasaki, Tetsuro Kuwabara, Seitaro Yoshimi : PWRI
- 0661, 20, B
Field Experiments on Pipelines in the Parkfield Earthquake Zone
 Jeremy Isenberg, Edward Richardson : Weidlinger Associates
- 0662, 20, B
Investigation of Two Buildings Shaken during the 19 September 1985 Mexico Earthquake
 Douglas A. Foutch, Keith D. Hjelmstad : University of Illinois at Urbana-Champaign
 Enrique Del Valle Calderon : Universidad Nacional Autonoma de Mexico
- 0663, 20, B
Recorded Behavior of Structures Whittier Narrows Earthquake, 1 October 1987
 A. Gerald Brady : USGS
- 0664, 20, B
The Drawing Image of Earthquake Hazard
 Keiichi Ohtani, Hiroshi Takahashi : NRCDDP
- 0665, 20, B
Loading Test on the Apartment of 15 Story Frames Structure with Wall Columns - Research on the High-Rise Frames Structure with Wall Columns - (in Japanese)
 Masaya Hirose, Shinsuke Nakata, Hisahiro Hiraishi, Tetsuro Goto : BRI
 Manabu Yoshimura : Tokyo Metropolitan University
- 0666, 20, B
Model Shaking Table Tests on Seismic Resistance of Reinforced Embankment (Part 2)
 Yasuyuki Koga, Yoshihiro Ito, Shuzo Washita, Takao Shimazu : PWRI
- 0667, 20, B
Dynamic Shear Moduli of Rockfill Materials
 Norihisa Matsumoto, Nario Yasuda, Masahiko Ohkubo : PWRI
- 0668, 20, B
Seismic and Tsunami Disaster Prevention Surveys and Preparing Geographical Information in Geographical Survey Institute, Japan
 Masatoshi Nagaoka : GSI
- 0669, 20, B
Safety Analysis on the Vertical Bearing Capacity of Piles
 Hiroshi Shinohara, Michio Okahara, Shoichi Nakatani, Keiji Taguchi : PWRI
- 0670, 20, C
Combined Effect of Storm Waves and Surge
 Paul D. Farrar, H. Lee Butler : WES
- 0671, 20, C
Stability of Submerged Dike at the Opening Section of Tsunami Protection Breakwaters
 Katsutoshi Tanimoto, Katsutoshi Kimura : PHRI
- 0672, 20, C
Marine Applications of Geographic Information System
 Celso S. Barrientos : Data and Information Service, NOAA
- 0673, 20, D
U.S.-Japan Coordinated Earthquake Research Program on Masonry Buildings - Seismic Test of the Five Story Full Scale Reinforced Masonry Buildings -
 Shin Okamoto, Yutaka Yamazaki, Takashi Kaminosono, Masaomi Teshigawara : BRI
- 0674, 20, D
Current Status of the U.S. Coordinated Program for Masonry Building Research
 James L. Noland : Atkinson-Noland & Associates
- 0675, 20, D
Dynamic Strength and Ductility of Reinforced Concrete Bridge Piers
 Toshio Iwasaki, Osamu Ueda, Kazuhiko Kawashima, Kinji Hasegawa, Takeshi Yoshida : PWRI
- 0676, 20, Z
US Side : Accomplishments and Challenges Panel on Wind and Seismic Effects
 Noel J. Raufaste, Jr., Richard N. Wright : Center for Building Technology, NBS

- 0677, 20, Z
Two Decades of Accomplishments and Challenges for the Future
Nobuyuki Narita : PWRI
- 0678, 21, A
A Summary of the Federal Highway Administration's Wind Engineering Research Program
Harold R. Bosch : FHWA
- 0679, 21, A
Wind Resistant Design Manual for Highway Bridges in Japan
Nobuyuki Narita, Koichi Yokoyama, Hiroshi Sato : PWRI
- 0680, 21, A
Field Measurements of Wind Pressures
Kishor C. Mehta : Texas Tech University
- 0681, 21, A
Transfer of Research Results in Wind Engineering
J. Eleonora Sabadell : NSF
- 0682, 21, A
Wind Resistance in Manufactured Housing in Hurricane Zones
G. Robert Fuller : HUD
- 0683, 21, B
Behavior of the Nagara Dam during the Earthquake of December 17, 1987
Yasushi Sasaki, Tetsuro Kuwabara, Masao Nishimura : PWRI
Ikuji Seko, Jun Kashiwagi, Yoshiki Aoki : Water Resources Development Public Corporation
- 0684, 21, B
Analysis of Structural Response Records during Whittier Narrows, California, Earthquake Oct. 1, 1987
A. Gerald Brady : USGS
- 0685, 21, B
Behaviours of Dams during Chiba off Earthquake
Norihisa Matsumoto, Nario Yasuda : PWRI
- 0686, 21, B
Survey for Estimation of Seismic Damage in South Kanto Area
Hideaki Oda, Shigeru Tamura : National Land Agency
- 0687, 21, B
Seismic Design Considerations for Offshore Oil and Gas Structures
Charles E. Smith : Minerals Management Service
- 0688, 21, B
Centrifuge Dynamic Model Tests in PHRI
Takamasa Inatomi, Motoki Kazama, Setsuo Noda, Hajime Tsuchida : PHRI
- 0689, 21, B
Modeling of Earthquake Induced Pore Pressure Behavior
Richard H. Ledbetter : WES
- 0690, 21, B
Seismic Design Method of Earth Embankment with Seismic Coefficient
Yasuyuki Koga, Osamu Matsuo : PWRI
- 0691, 21, B
Seismic Monitoring of Buildings : Analyses of Seismic Data
Mehmet Celebi : USGS
- 0692, 21, B
Development of Advanced Reinforced Concrete Buildings Using High-Strength Concrete and Reinforcement
Tatsuo Murota, Masaya Hirose : BRI
- 0693, 21, B
Guidelines for Identification and Mitigation of Seismically Hazardous Existing Federal Buildings
H.S. Lew : NIST
- 0694, 21, B
U.S. Army Corps of Engineers Seismic research Program
William E. Roper : CORPS
- 0695, 21, B
The History and Status of Strong-Motion Earthquake Observation in Japan
Keiichi Ohtani, Hiroshi Takahashi : NRCDDP
- 0696, 21, B
Summary of Lifeline Earthquake Engineering
James D. Cooper : FHWA
- 0697, 21, B
A Strong Motion Data Catalog for Personal Computers
Lee Wesley Row, III : University of Colorado
Herbert Meyers : National Geophysical Data Center, NOAA
- 0698, 21, B
Non Linear Seismic Analysis of Concrete Gravity Dams
Lucian G. Guthrie : CORPS
- 0699, 21, B
Seismic Microzonation
Walter W. Hays : USGS
- 0700, 21, B
Full Scale Test on a Three-Storeyed Wood-Framed Building
Tatsuo Murota, Motoi Yasumura : BRI

- 0701, 21, B
Damage by the Chiba-ken Toho-Okai Earthquake
 Yasushi Sasaki : PWRI
- 0702, 21, C
Observations of Tsunamis on the West Coast of the United States
 James F. Lander : University of Colorado
- 0703, 21, C
Present State of Tsunami Numerical Simulation
 Chiaki Goto, Katsutoshi Tanimoto : PHRI
- 0704, 21, D
U.S.-Japan Coordinated Earthquake Research Program on Masonry Buildings - Seismic Test of Five Story Full Scale Reinforced Masonry Building - (Part 2)
 Shin Okamoto, Yutaka Yamazaki, Takashi Kaminosono, Masaomi Teshigawara : BRI
- 0705, 21, D
Influence of Horizontal Reinforcement on the Shear Resistance of Masonry Walls
 Charles W.C. Yancey, H.S. Lew : NIST
- 0706, 21, D
Inelastic Behavior of Reinforced Concrete Bridge Pier - Effect of Bilateral Loading and Circular Hollow Section -
 Toshio Iwasaki, Osamu Ueda, Kazuhiko Kawashima, Kinji Hasegawa, Takeshi Yoshida : PWRI
- 0707, 21, D
U.S. Coordinated Program for Masonry Building Research - A Fourth Year Status
 James L. Noland : Atkinson-Noland & Associates
- 0708, 21, Z
Minister-of-Construction's Agreement System in the Building Standard Law of Japan
 Tatsuo Murota : BRI
- 0709, 21, Z
History of Structural Regulation in Japanese Building Codes and Outline of Wind-Resistant and Seismic Regulations
 Yuji Ishiyama : Peru Office, JICA
 Yuji Ohashi : BRI
- 0710, 21, Z
Development and Enforcement of U.S. Building Regulations
 James G. Gross, Richard N. Wright : NIST
- 0711, 22, A
Meteorological Data from Hurricane Hugo
 Joseph H. Golden : NOAA
- 0712, 22, A
Monitoring the Aerodynamic Performance of a Classic Suspension Bridge
 Harold R. Bosch : FHWA
- 0713, 22, A
Cooperative Research Program on Wind Tunnel Testing in Turbulent Flow
 Koichi Yokoyama, Hiroshi Sato, Takaaki Kusakabe : PWRI
 Robert L. Wardlaw, Michael G. Savage : National Research Council of Canada
- 0714, 22, A
Wind on Offshore Platforms
 Charles E. Smith : Minerals Management Service
- 0715, 22, C
Deep Ocean Recordings of Tsunamis
 Frank I. Gonzalez : Pacific Marine Environmental Laboratory, NOAA
- 0716, 22, C
Measurement and Modeling of Coastal Storm Effects
 William E. Roper : CORPS
 H. Lee Butler, Andrew Garcia : WES
- 0717, 22, C
Storm Surge Modeling in the United States
 Chester P. Jelesnianski, Jye Chen, Wilson A. Shaffer : National Weather Service, NOAA
- 0718, 22, D
The Japan Research Plan on Precast Concrete Seismic Structural System (PRESSS Japan)
 Shin Okamoto, Shinsuke Nakata, Hisahiro Hiraishi, Takashi Kaminosono, Hitoshi Shiohara : BRI
- 0719, 22, D
U.S. Coordinated Program for Masonry Building Research Fifth Year Status
 James L. Noland : Atkinson-Noland & Associates
- 0720, 22, D
Design Guidelines of Medium Rise RM Buildings
 Yutaka Yamazaki, Shin Okamoto : BRI
 Tsuneo Okada : Institute of Industrial Science, University of Tokyo
 Akira Matsumura : Kanagawa University
 Toshiyuki Kubota : Kinki University
- 0721, 22, D
U.S.-Japan Cooperative Research Program on Hybrid Control of Seismic Response of Bridge Structures
 Jiro Taguchi, Toshio Iwasaki, Yoshio Adachi, Yasushi Sasaki, Kazuhiko Kawashima : PWRI
- 0722, 22, B
Lateral Resistance of a Pile
 Michio Okahara, Shoji Takagi, Keiji Taguchi : PWRI

- 0723, 22, B
Major Seismic Building Upgrades at the Lawrence Livermore National Laboratory
 F.J. Tokarz, G.E. Freeland : Lawrence Livermore National Laboratory
 James R. Hill : U.S. Department of Energy
- 0724, 22, B
Attenuation Characteristics of Ground Strains Induced during Earthquake
 Ken-ichi Tokida, Keiichi Tamura, Koh Aizawa : PWRI
- 0725, 22, B
Dynamic Centrifugal Model Tests of Embankments on Liquefiable Grounds
 Yasuyuki Koga, Jun-ichi Koseki : PWRI
- 0726, 22, B
Seismic Resistance Requirements of Roller Compacted Dams
 Alan T. Richardson, Louis H. Roehm : BUREC
- 0727, 22, B
Damage of Soil Liquefaction Caused by Earthquakes and Use of Geomorphological Maps
 Takekazu Akagiri : GSI
- 0728, 22, B
Dynamic Deformation Characteristics of Compacted Rockfills by Cyclic Torsional Simple Shear Tests
 Norihisa Matsumoto, Nario Yasuda, Masahiko Ohkuo, Yasushi Kinoshita : PWRI
- 0729, 22, B
Allowable Residual Displacement of Gravity Quaywall Given by Optimum Seismic Coefficient from Economical Viewpoint
 Tatsuo Uwabe : PHRI
- 0730, 22, B
The Relation between the Buildings Damages and the Vibration Properties of Ground (In Case of Spitak Earthquake)
 Keiichi Ohtani : NRCDP
 Hiroyoshi Kobayashi : Tokyo Institute of Technology
- 0731, 22, B
New Seismic Design Specifications of Highway Bridges in Japan
 Toshio Iwasaki, Kazuhiko Kawashima, Kinji Hasegawa : PWRI
- 0732, 22, B
Scatter on Mechanical Properties of Structural Steels Recently Supplied in Japan
 Hirofumi Aoki : Yokohama National University
 Hiroyuki Yamanouchi : BRI
 Ben Kato : University of Tokyo
- 0733, 22, B
Development of Effective Use of New Metallic Materials for Buildings Structures
 Hiroyuki Yamanouchi, Tatsuo Murota : BRI
 Hirofumi Aoki : Yokohama National University
- 0734, 22, B
Initial Overview of the San Francisco Bay and Santa Cruz Mountains Ground Motion
 A. Gerald Brady : USGS
- 0735, 22, B
The Loma Prieta Earthquake : Site Response and Liquefaction
 Ellis L. Krinitzky, Arley Gus Franklin : WES
- 0736, 22, B
Dam Performance during the Loma Prieta Earthquake of October 17, 1989
 Robert B. MacDonald : BUREC
- 0737, 22, B
Performance of Wood-Framed Structures in the Loma Prieta Earthquake
 John Tissell : American Plywood Association
- 0738, 22, B
Seismic Performance of Nonstructural Elements during the Loma Prieta Earthquake
 T.T. Soong : State University of New York at Buffalo
- 0739, 22, B
Socio-Economic Impacts of Lifeline Performance Related to the Loma Prieta Earthquake
 Maryann T. Phipps : H.J. Degenkolb & Associates
 Ronald T. Eguchi : Dames & Moore
- 0740, 22, B
Lifelines Performance during the October 17, 1989 Loma Prieta Earthquake
 M. Khater, Charles Scawthorn, T. Larsen : EQE Engineering
 Jeremy Isenberg : Weidinger Associates
 LeVal Lund : Los Angeles Department of Water and Power
 Masanobu Shinozuka : Princeton University
- 0741, 22, B
Summary Report on the Loma Prieta Earthquake of October 17, 1989
 Toshio Iwasaki : PWRI
- 0742, 22, B
Experimental Study on Lateral Flow of Ground Induced by Soil Liquefaction
 Yasushi Sasaki, Ken-ichi Tokida, Hideo Matsumoto, Shoichi Sasa : PWRI

0743, 22, B
Development of Advanced Reinforced Concrete Buildings Using High-Strength Concrete and Reinforcement
Tatsuo Murota, Hisahiro Hiraiishi, Takashi Kaminosono, Masaomi Teshigawara, Hitoshi Shiohara : BRI

0744, 22, B
Characteristics of Supplemental Dampers for Earthquakes
Robert D. Hanson : NSF

0745, 22, B
An Economic Analysis of Laminated Rubber and Steel Bearing Base Isolation System for Buildings
Tingley K. Lew : NCEL

0746, 22, C
Damages Caused by Storm Surges in Maldives
Takaaki Uda : PWRI

0747, 22, A
Performance of Structures in Hurricane Hugo
Richard D. Marshall : NIST

0748, 22, A
The Performance of Structures in Hurricane Hugo 1989 - The Carolinas
Peter R. Sparks : Clemson University

0749, 23, A
Probabilistic Performance Goals for Wind and Tornado Design
James R. Hill : U.S. Department of Energy
James R. McDonald : Texas Tech University
Robert C. Murray : Lawrence Livermore National Laboratory

0750, 23, A
Analysis of Tornado in Mobarra City on December 11, 1990
Hiroshi Niino, Tokunosuke Fujitani : MRI
Tatsuo Murota, Nobuyoshi Yamaguchi, Hisashi Okada : BRI

0751, 23, A
Hurricane Hugo in Perspective
Peter R. Sparks : Clemson University

0752, 23, A
Boundary Layer Wind Tunnel Study on Full Aeroelastic Long Span Bridge Model
Koichi Yokoyama, Tomoki Kanazaki : PWRI
Masahiko Yasuda : Honshu-Shikoku Bridge Authority

0753, 23, B
The Worldwide Earthquake Risk Management (WWERM) Program
S.T. Algermissen, Walter W. Hays : USGS
Paul F. Krumpke : Office of Foreign Disaster Assistance, AID

0754, 23, B
Influence of Embankments on the Liquefaction of Ground
Yasuyuki Koga, Jun-ichi Koseki, Takao Shimazu, Osamu Matsuo : PWRI

0755, 23, B
Maximum Ground Acceleration on Soft Clay Sites
Tingley K. Lew : NCEL

0756, 23, B
Broadband Strong-Motion Seismic Observation Network Operated by Japan Meteorological Agency
Masahiko Yamamoto, Iwao Sasakawa, Akira Nagai, Takeshi Kakishita : Japan Meteorological Agency
Akihiko Wakayama, Koichi Uihira, Masaaki Seino : MRI

0757, 23, B
Seafloor Seismic Network Offshore Southern California
Charles E. Smith : Minerals Management Service

0758, 23, B
Distribution of Liquefaction in the Saitama Plain by the 1923 Kanto Earthquake and Geomorphological Maps
Tadao Dohi, Takekazu Akagiri : GSI

0759, 23, B
Damage to Civil Engineering Facilities from the July, 1990 Philippine Earthquake
Yasushi Sasaki, Michio Okahara : PWRI

0760, 23, B
Report on Philippine Earthquake 1990
Shinsuke Nakata : BRI

0761, 23, B
Recorded Structural Response during the M7.1 Loma Prieta California Earthquake
A. Gerald Brady : USGS

0762, 23, B
Monotonic and Cyclic Loading Tests of Rockfill Materials
Narihisa Matsumoto, Nario Yasuda, Masahiko Ohkubo, Ryoichi Yoshioka : PWRI

0763, 23, B
Full-Scale Structural Applications of Active Control Systems
T.T. Soong, A.M. Reinhorn, Masanobu Shinozuka : State University of New York at Buffalo

0764, 23, B
Base-Isolated Buildings and Seismic Safety Evaluation in Japan
Yoshikazu Kitagawa, Mitsumasa Midorikawa : BRI

- 0765, 23, B
Dynamic Modeling of Soil-Structure Systems for Control Applications
 H. Allison Smith, R.J. Borja : Stanford University
- 0766, 23, B
Current Research Efforts in Japan for Passive and Active Control of Highway Bridges against Earthquake
 Kazuhiko Kawashima, Kinji Hasegawa, Shigeki Unjo, Hiroyuki Nagashima, Hideyuki Shimizu : PWRI
- 0767, 23, B
Status of U.S. Research on Structural Control Systems
 Shih Chi Liu, Henry J. Lagorio, Ken P. Chong : NSF
- 0768, 23, B
Vibration of Large-Scale Shaking Table Foundation
 Chikahiro Minowa, Nobuyuki Ogawa, Tadashi Mikoshiba, Keiichi Ohtani, Norio Ohyagi : NIED
- 0769, 23, B
Safety and Economic Benefits Realized from Upgrading the Lawrence Berkeley Laboratory
 Donald Eagling : University of California
 James R. Hill : U.S. Department of Energy
- 0770, 23, B
Structural Regulations of Buildings and Development of Technology in Japan
 Yuji Ohashi, Hiroyuki Yamanouchi : BRI
- 0771, 23, B
Seismic Hazard Assessment of Liquefaction Potential at Mormon Island Auxiliary Dam, California, USA
 David W. Sykora, Joseph P. Koester, Mary Ellen Hynes : WES
- 0772, 23, B
System Identification of Spirally Reinforced Circular Bridge Columns Subjected to Cyclic Lateral Loading
 William C. Stone, Andrew W. Taylor : NIST
- 0773, 23, B
Simplified Procedure for Inspecting Earthquake Resistant Potential of Highway Bridge against Soil Liquefaction
 Ken-ichi Tokida, Jiro Fukui, Hideo Matsumoto : PWRI
- 0774, 23, B
Evaluation and Repair of Major Water Resources Structures for Improved Safety and Seismic Stability
 William E. Roper : CORPS
- 0775, 23, B
Shaking Table Tests for Hydrodynamic Pressure Acting on Double Cylindrical Caisson Type Breakwater in the Deep Sea
 Tatsuo Uwabe, Makoto Osada, Setsuo Noda : PHRI
- 0776, 23, B
Torsional Resistance of Multi-Column Foundation
 Yukitake Shioi, Michio Okahara, Jiro Fukui, Shoji Takagi : PWRI
- 0777, 23, B
Evaluation of Penetration Resistance for Liquefaction Assessment at Jackson Lake Dam
 Jeffrey A. Farrar : BUREC
 Nario Yasuda : PWRI
- 0778, 23, B
Nondestructive Evaluation of Civil Structures and Materials
 Ken P. Chong, John B. Scalzi : NSF
- 0779, 23, B
NSF Supported Research in Concrete Structures and Materials
 Ken P. Chong, Shih Chi Liu, Henry J. Lagorio : NSF
- 0780, 23, B
Comparison of Responses of a Select Number of Buildings to the 10/17/1989 Loma Prieta (California) Earthquake and Low-Level Amplitude Test Results
 Mehmet Celebi : USGS
 Long T. Phan, Richard D. Marshall : NIST
- 0781, 23, C
Subaerial and Submarine Landslide Generated Tsunamis
 James F. Lander : University of Colorado
 Patricia A. Lockridge, Herbert Meyers : National Geophysical Data Center, NOAA
- 0782, 23, C
A Study of the Effect of Tsunami Breakwater by Numerical Simulation
 Chiaki Goto, Katsutoshi Tanimoto : PHRI
- 0783, 23, C
Development of Water Level and Wave Height Design Data
 Martin C. Miller : WES
 William E. Roper : CORPS
 Leon E. Borgman : L.E. Borgman, Inc.
 Joannes J. Westerink : University of North Dame
- 0784, 23, D
The U.S. - PRESSS Program
 M.J. Nigel Priestley : University of California
- 0785, 23, D
U.S.-Japan Cooperative Research Program PRESSS, Part I : Design Trial of 15 Story Precast Reinforced Concrete Buildings
 Shin Okamoto, Shinsuke Nakata, Takashi Kaminosono, Hitoshi Shiohara, Mizuo Inukai : BRI

0786, 23, D

**U.S.-Japan Cooperative Research Program
PRESSS, Part 2-1 : Tensile Tests of Lap-
Spliced Joint for Precast Concrete Panel
Connections**

Shin Okamoto, Shinsuke Nakata, Takashi
Kaminosono, Hitoshi Shiohara, Mizuo Inukai : BRI

0787, 23, D

**U.S.-Japan Cooperative Research Program
PRESSS, Part 2-2 : Strength of Concrete
Interface Subjected to Compression and
Shear**

Shin Okamoto, Shinsuke Nakata, Takashi
Kaminosono, Hitoshi Shiohara, Mizuo Inukai : BRI

0788, 23, D

**U.S.-Japan Cooperative Research Program
PRESSS, Part 3 : Experimental Study on
Shear Walls of High-Rise Precast
Reinforced-Concrete Frame Buildings**

Shin Okamoto, Shinsuke Nakata, Takashi
Kaminosono, Hitoshi Shiohara, Mizuo Inukai : BRI

0789, 23, D

**U.S. Coordinated Program for Masonry
Buildings Research : Sixth Year Status**

James L. Noland : Atkinson-Noland & Associates

0790, 23, B

**Current Efforts to Improve the Performance
of Nonstructural Systems Based on
Experience from the Loma Prieta Earthquake**

Robert Reitherman : The Reitherman Company

0791, 23, D

**State-of-the-Art Report on Seismic Design
of Building Equipment and Nonstructural
Elements in Japan**

Masaya Hirose, Hatsukazu Mizuno, Mitsumasa
Midorikawa : BRI

0792, 23, 6

**Present Status of IDNDR Activities in
Japan**

Toshio Iwasaki : PWRI

0793, 23, 6

**Damages and Lessons from the Loma Prieta
Earthquake**

Stephen A. Mahin : University of California, Berkeley

0794, 23, 6

**Damages and Lessons Learned from
Hurricane Hugo**

Peter R. Sparks : Clemson University

0795, 23, 6

**United States Federal Agency Programs in
Disaster Countermeasures**

Paul F. Krumpal : Office of Foreign Disaster
Assistance, AID

Kenneth F. Sullivan : FEMA

**PUBLISHED REPORTS INDEX of
TASK COMMITTEES**

4. PUBLISHED REPORTS INDEX of TASK COMMITTEES

TASK COMMITTEE "C" Repair and Retrofit of Existing Structures

- C0001, C1
Seismic Strengthening of Old Buildings with Modern Codes
Loring A. Wyllic, Jr. : H.J. Degenkolb & Associates
- C0002, C1
Asismic Strengthening of Existing Reinforced Concrete Buildings
Shunsuke Sugano : Takenaka Construction Co., Ltd.
- C0003, C1
Repair and Retrofit of Buildings Overview of U.S. Experiences - Current Practice and Weaknesses -
James Warner : Consulting Engineer, Member of EERI
- C0004, C1
Retrofitting and Repairs of Existing Steel Building Structures
Hiroyuki Yamanchuchi : BRI
- C0005, C1
Seismic Evaluation and Rehabilitation of HUD Residential Buildings
G. Robert Fuller : HUD
- C0006, C1
How to Evaluate the Seismic Safety of Your House and How to Retrofit it (in Japanese)
Department of City Housing, Shizuoka Prefecture
- C0007, C1
Inspection and Retrofitting for Earthquake Resistance Vulnerability of Highway Bridges in Japan
Eiichi Kuribayashi, Osamu Ueda, Tadayuki Tazaki : PWRI
- C0008, C1
Retrofitting Bridges to Increase their Seismic Resistance
Oris H. Degenkolb : CALTRANS
- C0009, C1
Repair and Retrofit Works for Existing Highway Bridges
Tatsuo Asama, Yukitake Shioi, Tadayuki Tazaki, Hideya Asanuma : PWRI
- C0010, C1
Preliminary Report on Fire Testing of Epoxy Repaired Shear Walls
Joseph M. Plecnik, Mai G. Pham : California State University
- C0011, C1
Repair of Bond in R/C Structures by Epoxy Injection
Andrew D. Cowel, Egor P. Popov, Vitelmo V. Bertero : University of California at Berkeley
- C0012, C1
Research Project on Repair and Retrofit of Buildings
Kiyoshi Nakano, Shin Okamoto, Toshiyuki Kubota, Takashi Kaminosono : BRI
- C0013, C2
Development of Retrofit Guidelines for Highway Bridges
James D. Cooper, Richard V. Nutt, Ronald L. Mayes : FHWA
- C0014, C2
Introduction to an Earthquake Evaluation Test for Effects to Retrofit of Reinforced Concrete Bridge Pier Elements
Eiichi Kuribayashi, Shigetoshi Kobayashi : PWRI
- C0015, C2
Considerations for Retrofitting Bridges
Oris H. Degenkolb : CALTRANS
- C0016, C2
Development of Post-Earthquake Measures for Buildings and Structures Damaged by Earthquakes
Eiichi Kuribayashi, Masaya Hirose, Tatsuo Murota : PWRI
- C0017, C2
Criterion on the Evaluation of Seismic Safety of Existing Reinforced Concrete Buildings
Masaya Hirose : BRI
- C0018, C2
Seismic Resistance of Interior Partitions
Mihran S. Agbabian : Agbabian Associates
- C0019, C2
Experimental Studies on Retrofitting of Reinforced Concrete Structural Members
Y. Higashi, Taneo Endo, Y. Shimizu : Tokyo Metropolitan University
- C0020, C2
Epoxy Repair Concrete Components under Fire Exposure
Joseph M. Plecnik, W. Whitman, H.M. Chan, J. Choa : California State University at Long Beach

- C0021, C2**
Guideline for Seismic Retrofitting Design of Existing Reinforced Concrete Buildings
 Shunsuke Sugano : Takenaka Construction Co., Ltd.
- C0022, C2**
Repair and Strengthening of Masonry
 Lawrence F. Kahn : Georgia Institute of Technology
- C0023, C2**
Strengthening Effect of Eccentric Steel Braces to Existing Reinforced Concrete Frames
 Shigeya Kawamata, Masaaki Ohnuma : Tohoku Institute of Technology
- C0024, C2**
Seismic Evaluation and Strengthening of Existing Multistory Residential Buildings
 G. Robert Fuller, Andrei Gerich : HUD
- C0025, C2**
Retrofitting on Medium-Rise Reinforced Concrete Housing Structures
 Masaya Hirose, Yoshikazu Kitagawa, Yutaka Yamazaki : BRI
- C0026, C2**
Strengthening Existing Concrete and Masonry Buildings for Seismic Resistance
 Loring A. Wyllie, Jr. : H.J. Degenkolb & Associates
- C0027, C2**
Earthquake Damage at Izumi High School in 1978 Miyagi-Ken-Okii Earthquake and Methods of Repair and Strengthening
 M. Yokoyama, Hiroshi Imai : Tsukuba University
- C0028, C2**
Soil Modification to Reduce the Potential for Liquefaction
 James Warner : Consulting Engineer, Member of EERI
- C0029, C2**
Veterans Administration Seismic Correction Program
 Richard D. McConnell : DV
- C0030, C2**
Effects of Infills in Seismic Resistant Building
 Vitelmo V. Bertero, S. Brokken : University of California at Berkeley
- C0031, C3**
Anchorage and Diaphragm Systems for Tilt-Up-Wall Buildings
 Mihran S. Agbabian, R.D. Ewing : Agbabian Associates
- C0032, C3**
Retrofitted Structures against Earthquake and Research on them
 Toseo Endo : Tokyo Metropolitan University
- C0033, C3**
Preliminary Report on Experimental Testing of Epoxy Repaired Concrete Beams
 Joseph M. Plecnik, J. Chao, T. Baker, Pei-Hong Kuo, T-Liang Hsu : California State University at Long Beach
- C0034, C3**
A Repair Effect of Reinforced Concrete Joint Assemblies Subjected Seismic Loads
 Shinsuke Nakata, Toshikazu Kawashima, H. Sekiguchi : BRI
- C0035, C3**
A Repairing Test of Full Scale Seven Story Reinforced Concrete Building Subjected to Seismic Load
 Masaya Hirose, Shin Okamoto, Shinsuke Nakata, Takashi Kaminosono, H. Sekiguchi : BRI
- C0036, C3**
Seismic Retrofit of Small Pumping and Chlorinating Station Buildings
 LeVal Lund : Los Angeles Department of Water and Power
- C0037, C3**
Campton Hotel Rehabilitation
 George E. Greenwood : H.J. Degenkolb & Associates
- C0038, C3**
Outline of Research on Estimating of Damages and Repairs of the Building Damaged by the Miyagi-Ken-Okii Earthquake, June, 1978
 Toshio Shiga, Akenori Shibata, Masaya Hirose : BRI
- C0039, C3**
The Rehabilitation of History Corner of the Stanford University Main Quad
 William T. Holmes : Rutherford and Chekene
- C0040, C3**
On the Development of Post-Earthquake Measures for Building and Structures Damaged by Earthquakes
 Masaya Hirose, Tatsuo Murota : BRI
- C0041, C3**
Earthquake Bracing Program United States Geologic Survey
 Nicholas F. Forell : Forell/Elsesser Engineers
- C0042, C3**
Examples of Repair and Retrofit Works on Road Bridge Substructures
 Hideya Asanuma : PWRI

- C0043, C3
Bridge Retrofitting Details
 Oris H. Degenkolb : Highway Department, State of California
- C0044, C3
An Investigation into Methods of Nondestructive Evaluation of Masonry Structures
 James L. Noland, Richard H. Atkinson, John C. Baur : Atkinson-Noland & Associates
- C0045, C3
Effects of Behaviors of Reinforced Concrete Frames by Adding Shear Walls
 Y. Higashi, Taneo Endo, Y. Shimizu : Tokyo Metropolitan University
- C0046, C3
Studies Regarding Repair and Retrofitting of the Imperial Country Services Building, El Centro, California
 Vitelmo V. Bertero : University of California at Berkeley
- C0047, C3
On the Development of Post-Earthquake Measures for Civil Engineering Structures Damaged by Earthquakes
 Misato Murakami, Tomomitsu Yasue, Toshio Iwasaki, Yasushi Sasaki, Tadashi Arakawa : PWRI
- C0048, C3
Reinforcing Steel Considerations Unique to Repair and Retrofit
 James Warner : Consulting Engineer, Member of EERI
- C0049, C3
Damage to Buildings from Urakawa-Oki, Japan, Earthquake of March 21, 1982
 Shin Okamoto, Tatsuo Murota, Yutaka Yamazaki, Eiichi Itoigawa : BRI
- C0050, C3
An Overview of the State-of-the Art in Seismic Strengthening of Existing Reinforced Concrete Buildings
 Shunsuke Sugano : Takenaka Construction Co., Ltd.
- C0051, C3
Vibration Testing of an Epoxy-Repaired Four-Story Reinforced Concrete Structure
 Roger E. School, G. Norman Owen : URS/J.A. Blume & Associates
- C0052, C4
Research Needs for Repair and Strengthening of Reinforced Concrete Floor Slab Systems
 Jack P. Moehle : University of California
- C0053, C4
Design and Construction Schemes for Buildings
 L.A. Willie : Degenkolb & Association
- C0054, C4
Comparison of Building Seismic Design in U.S. and Japan (Report on the Second U.S.-Japan Workshop on the Improvement of Building Seismic Design and Construction Practices)
 Yuji Ishiyama : BRI
- C0055, C4
Evaluation on Positions of Dynamic Response Analyses in Seismic Design by a Full-Scale Six-Story Steel Building Structure
 Hiroyuki Yamanouchi, A. Hori, T. Yomo : BRI
- C0056, C4
Overall Design Standard for Earthquake Resistant Capacity of Governmental Buildings
 K. Onisawa, K. Shimizu : Ministry of Construction
- C0057, C4
Recent Five Years Source List on Repair and Retrofit for RC Buildings due to Earthquakes
 Shinsuke Nakata : BRI
- C0058, C4
Post-Earthquake Inspection and Evaluation of Earthquake Damaged in Reinforced Concrete Buildings
 Hisahiro Hiraishi, M. Murakami, Tsuneo Okada, M. Ohkubo, S. Ohtani, K. Takiguchi : BRI
- C0059, C4
Methods of Temporary and Permanent Restoration Applied to Reinforced Concrete Buildings Damaged by Earthquake
 Manabu Yoshimura, Tsuneo Okada, Taneo Endo, M. Ohkubo : Tokyo Metropolitan University
- C0060, C4
Seismic Capacity of Reinforced Concrete Buildings which Suffered 1985.9.19-20 Mexico Earthquake
 Tsuneo Okada, M. Murakami, T. Minami, N. Ishikawa : Institute of Industrial Science, University of Tokyo
- C0061, C4
Seismic Inspection and Retrofit on Nine-Story RC Building Damaged by the Mexico Earthquake, 1985
 Masaya Hirosewa, Y. Endo, T. Noji, H. Yoshida, H. Yamanaka, Tomoaki Akiyama : BRI

- C0062, C4**
Seismic Capacity of Reinforced Concrete 4-Story School Buildings which Suffered 1985 Mexico Earthquake in Mexico City
 Shunsuke Sugano, H. Eto, T. Noji, K. Tamamura : Takenaka Construction Co., Ltd.
- C0063, C4**
Inelastic Analysis of the Namioka Town Hospital Building Damaged during the 1983 Nihonkai-Chubu Earthquake
 Yutaka Yamazaki, Masaya Hirose, Yoshikazu Kitagawa, Masaomi Teshigawara : BRI
- C0064, C4**
Behavior of Expansion Anchor Bolts
 Toneo Endo, Y. Shimizu : Tokyo Metropolitan University
- C0065, C4**
Experimental Study of Strengthening Effect on Reinforced Concrete Shear Wall Thickened with Retrofit (Mashiuchi) Wall
 Tetsuro Goto, H. Adachi : BRI
- C0066, C4**
Performance of Reinforced Concrete Components Repaired with Epoxy Resin
 A. Tsai, H. Aoyama, S. Ohtani : University of Tokyo
- C0067, C4**
A Study on the Strengthening with Carbon Fiber for Earthquake Resistant Capacity of Existing Reinforced Concrete Columns
 H. Katsumata, Y. Kobatake, T. Takeda : Ohbayashi Corporation
- C0068, C4**
Study on Retrofit Method of Existing Structures by Steel Braces with Dampers
 M. Seki, H. Katsumata, T. Takeda : Ohbayashi Corporation
- C0069, C4**
Seismic Behaviours of Existing R/C Frame Strengthened with Retrofitting Steel Elements
 Y. Yamamoto, H. Aoyama : Shibaura Institute of Technology
- C0070, C4**
Seismic Strengthening of Existing Reinforced Concrete Buildings by Braces and Panels of Structural Steel
 Shunsuke Sugano, M. Fujita : Takenaka Construction Co., Ltd.
- C0071, C4**
Seismic Inspection and Strengthening of Public Reinforced Concrete Buildings, Chiefly in Case of School Buildings
 Masaya Hirose, Tomoaki Akiyama : BRI
- C0072, C4**
Damaged Aspects and Hysteresis Properties after Repair and Installation of Non Structural Elements
 Shinsuke Nakata, Akio Baba, Hiroshi Ito : BRI
- C0073, C4**
Strengthening of Steel Buildings against Strong Earthquakes
 Koichi Takahashi, Ben Kato, A. Tanaka : Institute of Industrial Science, University of Tokyo
- C0074, C4**
An Outline of the Manual for Rehabilitation of Earthquake Damaged Steel Building
 Koichi Takahashi, Tatsuo Murota, Hiroyuki Yamanouchi, Isao Nishiyama : University of Tokyo
- C0075, C4**
Evaluation of Seismic Resistance Capacity of Damaged Steel Building Structure
 S. Morino, Koichi Takahashi, Isao Nishiyama : University of Tokyo
- C0076, C4**
An Experimental Study on the Repair of Steel Structures Severely Damaged due to Earthquake
 H. Narihara, A. Tanaka, M. Izumi : Taisei Research Institute of Construction Technology
- C0077, C4**
Ultimate Strength and Repair Method of Beam-Column Connections Fabricated by Fillet Welding
 K. Morita, Koichi Takahashi, Tatsuo Murota : University of Tokyo
- C0078, C4**
Seismic Strengthening of Reinforced Building in Japan
 Shunsuke Sugano, Toneo Endo : Takenaka Construction Co., Ltd.
- C0079, C4**
Actual Examples of Seismic Judgement for Existing Buildings with or without Retrofitting
 H. Aoyama, Masaya Hirose : University of Tokyo
- C0080, C5**
Recent Seismic Countermeasure for Existing Buildings and Damaged Buildings in Japan
 Shinsuke Nakata, Masaya Hirose : BRI
- C0081, C5**
Deferring Payments : Management of the Earthquake Risk in Central United States
 Meic A. Sozen : University of Illinois

- C0082, C5**
Comparison of Aseismic Design between U.S. and Japan
 Shin Okamoto, T. Teramoto, T. Ohkoshi : BRI
- C0083, C5**
Post-Installed Anchor Bolts Subjected to Tension
 Y. Hosokawa, H. Aoyama : University of Tokyo
- C0084, C5**
A Study on Shear Strength of Post-Installed Anchors
 Tomoaki Akiyama, Masaya Hirose, Y. Shimizu, T. Katagiri : Tokyo Soil Research Co., Ltd.
- C0085, C5**
Aseismic Performance and Strengthening of Existing RC Building Structures
 Takashi Kaminosono, Tsuneo Okada, Masaya Hirose : BRI
- C0086, C5**
Performance of Buildings for "High-Tech" Industries in Silicon Valley in the Roma Prieta Earthquake
 Maryann T. Phipps : H.J. Degenkolb & Associates
- C0087, C5**
Actual Examples of Seismic Judgement for Existing Buildings with or without Retrofitting
 Shin Okamoto, Takashi Kaminosono : BRI
- C0088, C5**
Implications of the Roma Prieta Earthquake on Building Requirements and Regulations
 Franklin Lew : City of San Francisco
- C0089, C5**
Current System for Inspection / Evaluation / Restoration of Earthquake Damaged Buildings and its Background and Future Issues
 M. Ohkubo : Kyushu Institute of Design
- C0090, C5**
Recent Research - Repair and Strengthening of Reinforced Concrete Structures
 James O. Jirsa : University of Texas
- C0091, C5**
Repair, Retrofit and Strengthening of Steel Building and Bridges
 Le-Wu Lu, Ben T. Yen : Lehigh University
- C0092, C5**
Ultimate Seismic Strength and Ductility Index of Reinforced Concrete Buildings Strengthened with Steel Brace and Steel Panel
 Y. Yamamoto, Masaya Hirose : Shibaura Institute of Technology
- C0093, C5**
Method of Strengthening and Designing Shear Connectors between Existing Reinforced Concrete Frame and Infilled Steel Brace and Panel
 Y. Yamamoto, H. Aoyama : Shibaura Institute of Technology
- C0094, C5**
Ultimate Shear Strength of Reinforced Concrete Members with Extremely Small Shear Span Ratios
 Y. Yamamoto : Shibaura Institute of Technology
- C0095, C5**
Seismic Strengthening of an Existing Reinforced Concrete Buildings
 Tsuneo Okada, M. Murakami, Y. Matsuzaki, S. Hayashi, T. Ohta : University of Tokyo
- C0096, C5**
Recent Research Results in Strengthening Methods by Steel Brace and Panel on Existing Reinforced Concrete Frames
 Y. Shimizu, Y. Yamamoto : Technical High School, Tokyo Institute of Technology
- C0097, C5**
Experimental Study on Mortar Joints between Reinforced Concrete Frame and Steel Shear Brace
 T. Katagiri, Y. Yamamoto, Y. Shimizu, Tomoaki Akiyama : Japan Drive-it Co., Ltd.
- C0098, C5**
Applications of Retrofit Method with Carbon Fiber for Existing Reinforced Concrete Structures
 H. Katsumata, K. Kimura, Y. Kobatake, K. Yagi, T. Tanaka, T. Sawanobori : Ohbayashi Corporation

TASK COMMITTEE "D" Evaluation of Structural Performance

- D0001, D1**
Evaluation of Buildings for Seismic Resistance
- An Overview of Problems and Issues
Richard N. White : Cornell University
- D0002, D1**
A Method for the Evaluation of the Seismic Capacity of Existing Reinforced Concrete Buildings in Japan
H. Aoyama : University of Tokyo
- D0003, D1**
Safety Evaluation of Existing Buildings
J.T.P. Yao : Purdue University
- D0004, D1**
A Methodology to Evaluate the Vulnerability of Buildings to Earthquake Damage
Sigmund A. Freeman : Wiss Janney Elstner Associates
- D0005, D1**
Practical Application of the Evaluation Standard in Specific Earthquake Hazardous Locality
Tsunco Okada : University of Tokyo
- D0006, D1**
Seismic Hazard Evaluation Methods of Existing Buildings
H.S. Lew : NBS
- D0007, D1**
Evaluation and Screening of Large Groups of Buildings
Mihran S. Agbabian : Agbabian Associates
- D0008, D1**
Structural Evaluation of Multistory Residential Buildings for Seismic Resistance
G. Robert Fuller : HUD
- D0009, D1**
Summary of Various Computer Programs to Evaluate Structural Performance against Earthquake Excitations
H. Aoyama : University of Tokyo
- D0010, D1**
Seismic Evaluation of Existing Buildings Incorporating Uncertainty and Utilizing Microcomputers
G.C. Hart : University of California
- D0011, D1**
Component Mode Method in Eigenvalue Analysis and Its Applications to Building Structures of Numerous Degree-of-Freedom
M. Izumi, H. Katsukura, M. Takita : Tohoku University
- D0012, D1**
Comparative Study on the Application of the Evaluation Standard to 7 Story Full-Scale Reinforced Concrete Test Structure
Shin Okamoto : BRI
- D0013, D1**
Analysis on the Behavior of 7 Story Full-Scale Reinforced Concrete Test Structure
Manabu Yoshimura : BRI
- D0014, D1**
Computer Analysis of the 7 Story Full-Scale Reinforced Concrete Test Structure
T. Kabeyasawa, H. Shinohara, S. Ohtani, H. Aoyama : University of Yokohama
- D0015, D1**
Post-Earthquake Evaluation of an Essential Facility
R.G. Johnston : Brandow and Johnston Associates
- D0016, D1**
Methodologies for Immediate Judgement on the Safety of Damaged Structures
Masaya Hirose, Tatsuo Murota : BRI
- D0017, D1**
Post-Earthquake Evaluation Methodologies of Safety of Structures
Peter Gergely : Cornell University
- D0018, D2**
Expert Systems for Safety Evaluation of Existing Structures
J.T.P. Yao : Purdue University
- D0019, D2**
Ultimate-State Design Analysis of R/C Wall-Frame Structures
T. Kabeyasawa : University of Yokohama
- D0020, D2**
Safety Evaluation of Several Damaged Buildings - A Progress Report
J. Stephens, J.T.P. Yao : Purdue University
- D0021, D2**
Evaluation of Dynamic Characteristics of a Long Span Steel Truss Structure Excited by Vertical Ground Motions
Makoto Watabe, Hiroyuki Yamanouchi, T. Minami, Y. Mackawa, H. Miyanaga, T. Morimoto, K. Mizutori : Tokyo Metropolitan University
- D0022, D2**
Reliability of Damaged Reinforced Concrete Frames
C. Meyer, M.S.L. Roufaei : Columbia University

- D0023, D2
Observation of Earthquake Response of Reinforced Concrete Weak-Model Structures
Tsuneo Okada, R. Tamura : University of Tokyo
- D0024, D2
Rapid and Detailed Evaluation on a Medium-Tall R/C Building
K. Shimizu : Ohbayashi Corporation
- D0025, D2
A Quick Analysis of the ATC Benchmark R/C Nine Story Building
Shin Okamoto, K. Watanabe : BRI
- D0026, D2
Rapid Evaluation Methodologies
Sigmund A. Freeman : Wiss Janney Elstner Associates
- D0027, D2
Seismic Hazard Evaluation of Holiday Inn
Jack P. Moehle : University of California
- D0028, D2
Inelastic Seismic Tests on a Full-Scale Six-Story Concrete-K Braced Steel Building -U.S.-Japan Cooperative Research Program-
Hiroyuki Yamanouchi, Mitsumasa Midorikawa, Toshiyumi Fukuta : BRI
- D0029, D2
Detailed Seismic Evaluation of a Full-Scale Six Story Steel Building (U.S.-Japan Cooperative Program)
G.C. Hart : University of California
- D0030, D2
Seismic Performance Evaluation of Concrete and Steel Structures
H.S. Lew : NBS
- D0031, D2
A Quick Analysis of the Imperial Country Services Buildings for Seismic Resistance
H. Aoyama : University of Tokyo
- D0032, D2
An Example and an Opinion on Scope of Strength Evaluation for Building Structures
Mete A. Sozen : University of Illinois
- D0033, D2
Evaluation of the Imperial Country Services Building
G.C. Hart : University of California
- D0034, D2
Damage and Analysis of Namioka Town Hospital Damaged by the Nihonkai-Chubu Earthquake, 1983
Shin Okamoto : BRI
- D0035, D2
Kurayoshi City East Building Damaged by the 1983 Tottori EQ
S. Ohtani, K.-N. Li : University of Tokyo
- D0036, D3
Seismic Performance of Existing Buildings - A Progress Report -
Richard N. White, Peter Gergely : Cornell University
- D0037, D3
Rapid Evaluation Methodologies
Sigmund A. Freeman : Wiss Janney Elstner Associates
- D0038, D3
Comparative Study on the Application of the U.S. and Japan Rapid Evaluation Methods to Benchmark Structures
Shin Okamoto, Masaomi Teshigawara : BRI
- D0039, D3
Seismic Capacity Evaluation of Existing SRC Buildings
H. Aoyama : University of Tokyo
- D0040, D3
Summary of First U.S.-Japan Meeting on Improvement of Building Seismic Design and Construction Practices
M. Ozaki : Chiba University
- D0041, D3
Review of Recent U.S. Activities in Evaluation Methodologies
G. Robert Fuller : HUD
- D0042, D3
Draft of Guideline for Post-Earthquake Inspection and Evaluation of Earthquake Damage in Reinforced Concrete Buildings and its Application to the Namioka Town Hospital Building
Tsuneo Okada, Masaya Hirose, Hisahiro Hiraishi, Manabu Yoshimura : University of Tokyo
- D0043, D3
Emergency Standard for Classification of Risk Levels of Earthquake Damaged Reinforced Concrete Buildings
S. Ohtani : University of Tokyo
- D0044, D3
Draft Standard for Evaluation of Seismic Performance of Reinforced Concrete Block Masonry School Building in Japan
Tsuneo Okada, Y. Ohwada, H. Kimura : University of Tokyo
- D0045, D3
Earthquake Observation of the Fifth Building
Yutaka Yamazaki : BRI

TASK COMMITTEE "E" Ground Motion and Seismic Design Forces Program

- E0001, E1**
Some Engineering Aspects of Ground Motion Characteristics Clarified from PWRI Array Observation Records
Ken-ichi Tokida, Keiichi Tamura, Koh Aizawa : PWRI
- E0002, E1**
Study of an Assessment for Site Effects of Seismic Strong Motions
Eiichi Kuribayashi, T. Jiang, Tadashi Niino, H. Nagasaka, S. Kuroiwa, Shozo Nishioka : Toyohashi University of Technology
- E0003, E1**
The Seismotectonic Basis for Earthquake Hazard Assessment in the United States
Paul C. Thenhaus : USGS
- E0004, E1**
History and Status of Strong-Motion Earthquake Measurement in Japan
Keiichi Ohtani : NIED
- E0005, E1**
Earthquake Hazard and Risk (Loss) Assessment Techniques in the United States - A Review -
S.T. Algermissen : USGS
- E0006, E1**
Seismic Hazard Assessment - States of Practice in Japan -
Hiroyuki Kameda : Urban Earthquake Hazard Research Center, Disaster Prevention Research Institute, Kyoto University
- E0007, E1**
Engineering Risk Assessment of Seismic Ground Motion and Ground Liquefaction
Ken-ichi Tokida, Keiichi Tamura, Koh Aizawa : PWRI
- E0008, E1**
Thematic Mapping for Hazards by the Geographical Survey Institute
Tadao Dohi, Masaharu Tsuzawa : GSI
- E0009, E1**
Seismic Hazard and Ground Motion Studies in Japan - A Study Perspective -
Tsuneco Katayama : Institute of Industrial Science, University of Tokyo
- E0010, E1**
Characterization of Earthquake Ground Motions and Design Earthquake Loading of Highway Bridges
Kazuhiko Kawashima : PWRI
- E0011, E1**
Seismic Design Criteria to Meet Probabilistic Performance Goals
James R. Hill, Robert C. Murray, Stephen A. Short : U.S. Department of Energy
- E0012, E1**
Deterministic Seismic Design and Evaluation Criteria to Meet Probabilistic Performance Goals
James R. Hill, Stephen A. Short, Robert C. Murray, Thomas A. Nelson : U.S. Department of Energy
- E0013, E1**
Seismic Loading and Safety Evaluation for Building Code in Japan
Yoshikazu Kitagawa : BRI
- E0014, E1**
The Application of Earthquake Hazard Assessments to Building Codes in the United States
Edgar V. Leyendecker : USGS
- E0015, E1**
Japanese Experience with Seismic Design and Response of Port and Harbor Structures
Susumu Iai, Yasuo Matsunaga : PHRI

TASK COMMITTEE "F" Disaster Prevention Methods for Lifeline Systems

- F0001, F2**
Systems Aspects of Lifeline Engineering
Masanobu Shinozuka, M. Kitaura, F. Yamazaki :
Columbia University
- F0002, F2**
**Development of Model for Determining
Differential Seismic Ground Motion**
A. Zerva, A. H-S. Ang, Y.K. Wen : University of
Illinois
- F0003, F2**
Wave Propagation Effects on Buried Pipelines
Douglas J. Nyman : NTS/Structural Mechanics
Associates
- F0004, F2**
**Behavior of Buried Pipelines under Large
Ground Deformations in Earthquakes**
Teoman Ariman : University of Tulsa
- F0005, F2**
**Methods of Testing Buried Lifelines in the
USA**
J.L. Merritt : Merritt CASES, Inc.
- F0006, F2**
**Seismic Performance of Telecommunications
Structures and Equipment**
Jeremy Isenberg : Weidlinger Associates
- F0007, F2**
**Research and Development in Seismic
Mitigation of Telecommunication Systems in
CANADA**
A. Tang : Northern CANADA Telecom Ltd.
- F0008, F2**
**Earthquake Requirements for
Telecommunications Equipment**
J.W. Foss : Bell Communications Research, Inc.
- F0009, F2**
**Experiments and Field Observations of
Seismic Protection on Computer Facilities**
I-Kwang Chang : International Business Machines
Corporation
- F0010, F2**
**Earthquake-Resistant Design of Underground
Pipelines**
Toshio Iwasaki : PWRI
- F0011, F2**
**Finite Ground Strains Induced during
Earthquake for Application to Seismic Design
of Underground Pipelines**
Kazuhiko Kawashima, Keiichi Tamura, Koh Aizawa :
PWRI
- F0012, F2**
**Liquefaction Damage and Analysis of
Underground Telecommunications Facilities**
Shiro Takada, T. Sawahashi : Kobe University
- F0013, F2**
**Field Observations on Telecommunications
Facilities**
Masahiro Nakano, H. Uematsu : N.T.T.
- F0014, F2**
**Seismic Performance of Telecommunication
Network System**
M. Miwa : N.T.T.
- F0015, F2**
**Seismic Risk and Assessment of Lifeline
Systems**
Hiroyuki Kameda, Tadanobu Sato : Kyoto University
- F0016, F2**
Seismic Analysis of Lifeline Networks
Hideji Kawakami : Saitama University
- F0017, F2**
**Aseismic Design of Telecommunications
Equipment Based on Earthquake Observations
of Buildings**
Yuji Sato, Hisanobu Akagi : N.T.T.
- F0018, F3**
**Damage of G , Pipeline from Chiba Toho-Okii
Earthquake**
Tadao Mashimo : Tokyo Gas Co., Ltd.
- F0019, F3**
**Seismic Damage, Design and Research Needs
of Buried Water Lifelines**
Leon Ru-Liang Wang : Old Dominion University
- F0020, F3**
**Damage to Buried Lifelines due to
Liquefaction - Induced Ground Displacement**
Masanori Hamada : Tokai University
- F0021, F3**
**Quantitative Relationship between Ground
Conditions and Pipeline's Damage
Susceptibility**
Nobuaki Nishio : Tokyo Gas Co., Ltd.
- F0022, F3**
**Malfunction Analysis of Roads and Streets
during Earthquake in Japan**
Eiichi Kuribayashi, Jiang Tong, Tadashi Niino, Wataru
Kyokuno : Toyohashi University of Technology

- F0023, F3**
Analysis on The Finite Ground Strains Induced during Earthquakes
 Yasushi Sasaki, Keiichi Tamura, Koh Aizawa : PWRI
- F0024, F3**
Pipeline Field Experiment at Parkfield, CA
 Jeremy Isenberg, Edward Richardson, Hiroyuki Kameda, Thomas D. O'Rourke : Weidlinger Associates
- F0025, F3**
PWRI Observation Station of Seismic Response of Pipeline
 Toshio Iwasaki, Osamu Ueda, Kazuhiko Kawashima, Kinji Hasegawa : PWRI
- F0026, F3**
Loading Test of Shield Tunnel Specimens Subjected to Alternative Axial Loading
 Kazuhiko Kawashima, Hideki Sugita, Takashi Kano : PWRI
- F0027, F3**
Seismic Retrofitting of Bridge Columns for Enhanced Shear Strength and Flexural Ductility
 M.J. Nigel Priestley : University of California
- F0028, F3**
Bridge Seismic Retrofit Program for California Highway System
 James E. Roberts : CALTRANS
- F0029, F3**
Reliability and Risk Assessment of Lifeline Systems
 Masanobu Shinozuka, Hiroyuki Kameda : Princeton University
- F0030, F3**
Earthquake Physical Damage and Functional Serviceability of Simplified Models of Lifeline Networks
 Hideji Kawakami : Saitama University
- F0031, F3**
Identification and Upgrading of Critical Components for Improving Seismic Reliability of Large Lifeline Networks
 Tadanobu Sato, Kenzo Toki, Tomihiko Sekiya : Kyoto University
- F0032, F3**
Recent Research Works on The Preventive Measures of Buried Lifelines for Liquefaction
 Makoto Kawamura, Eiichi Kuribayashi, Shigeki Tsuchiyama, Akihiko Ogino : Toyohashi University of Technology
- F0033, F3**
Asismic Design for Telephone Tunnel
 Koji Yagi, Tadanobu Suzuki, Hiroaki Hattori : N.T.T.
- F0034, F3**
Analytical Study on Optimum Design for Base Isolation System
 Hideyo Suzuki : Tokyo Electric Power Co.
- F0035, F3**
Earthquake Hazard Mitigation for a Large Metropolitan Water District
 Gary M. Snyder : Metropolitan Water District of Southern California
- F0036, F3**
Lifeline Hazard Mitigation through Strategic Industrial Planning
 Maryann T. Phipps : H.J. Degenkolb & Associates
- F0037, F3**
Early Post Earthquake Damage Detection for Lifeline Systems
 Ronald T. Eguchi, Jon D. Chrostowski, G.M. Lee : Dames & Moore
- F0038, F3**
Management Strategies and Public Education Resources for Lifeline Systems during Earthquakes
 Peter R. Lucarelli : Los Angeles City Fire Department
- F0039, F3**
An Expert System to Aid Restoration Works against Seismic Damaged Telecommunication Buried Pipelines
 Shiro Takada : Kobe University

TASK COMMITTEE "H" Soil Behavior and Stability During Earthquakes

- H0001, H1**
SPT for Liquefaction Resistance Evaluations - State-of-the-Art and Future Requirements
Jeffrey A. Farrar : Engineering and Research Center, BUREC
- H0002, H1**
Fundamental Study on the SPT
Mamoru Fuyuki, Kazuma Uto : Tokai University
- H0003, H1**
In Site Test for Assessing Liquefaction Potential Using Vibratory Cone Penetrometer
Yasushi Sasaki, Yasuyuki Koga, Yoshihiro Ito, Takao Shimazu, Masuo Kondo : PWRI
- H0004, H1**
Comparative Study of Various Penetration Tests in Ground that Underwent Liquefaction during the 1983 Nihonkai-Chubu and 1964 Niigata Earthquakes
Satoru Ohya, Tsuneaki Iwasaki, Mikio Wakamatsu : OYO Corporation
- H0005, H1**
A New Criterion for Assessing Liquefaction Potential of Japanese Port Area by Using SPT N-Value
Susumu Iai, Hajime Tsuchida, Katsuhiko Koizumi : PHRI
- H0006, H1**
Liquefaction Studies in the Imperial Valley, California
T. Leslie Youd : Brigham Young University
- H0007, H1**
Provisions of Soil Liquefaction Specified in Current Japanese Design Codes
Toshio Iwasaki : PWRI
- H0008, H1**
Design of Viaduct Considering the Effects of Soil Liquefaction
Kozo Higuchi, Mitsuru Goto : Honshu-Shikoku Bridge Authority
- H0009, H2**
Remedial Treatments of Liquefiable Soils Currently Used in Japan
Yasushi Sasaki : PWRI
- H0010, H2**
Basic Consideration for Designing the Area of the Ground Compaction as a Remedial Measure against Liquefaction
Susumu Iai, Setsuo Noda, Hajime Tsuchida : PHRI
- H0011, H2**
Damages of Dikes by the 1983 Nihonkai Chubu Earthquake and their Remedial Works
Kazuya Yamamura, Yasushi Sasaki, Hideo Nakajima, Masakazu Takahashi : Nihon University
- H0012, H2**
Experimental Study on the Deep Mixing Method as a Countermeasure against Liquefaction
Yasuyuki Koga, Osamu Matsuo, Jun-ichi Koseki, Minoru Enokida, Takashi Matsuda, Kichio Suzuki : PWRI
- H0013, H2**
An Application of Dynamic Compaction to a Coal Yard in Japan
Susumu Yasuda, Hisashi Tsuchiya, Naonobu Narumi : Kyushu Institute of Technology
- H0014, H2**
An Experimental Study on the Manhole Stabilizing Techniques against Liquefaction
Masahiro Nakano, Yasushi Sasaki, Masaaki Yoshikawa, Hiroaki Hattori, Masanobu Arano : NTT Tsukuba Field Engineering Development Center
- H0015, H3**
Strategy for Remedial Treatment against Liquefiable Soil - A Proposal of Basic Concept -
Yasushi Sasaki : PWRI
- H0016, H3**
Dam on Liquefiable Foundation : Safety Assessment and Remediation
W.D.L. Finn, Richard H. Ledbetter, R.L. Fleming, Jr., A.E. Templeton, T.W. Forrest, S.T. Stacy : University of British Columbia
- H0017, H3**
Shake Table Tests on Lateral Ground Flow Induced by Soil Liquefaction
Yasushi Sasaki, Ken-ichi Tokida, Hideo Matsumoto, Shoichi Saha : PWRI
- H0018, H3**
Nature of Lateral Soil Movement Induced by Earthquake Liquefaction
Ikuo Tohata, Yukio Tamari, Kazuhiko Yamada : University of Tokyo
- H0019, H3**
A Simplified Procedure for the Analysis of the Permanent Ground Displacement
Susumu Yasuda, Hideo Nagase, Hiroyoshi Kiku, Yutaka Uchida : Kyushu Institute of Technology

H0020, H3
Effective Stress Analysis of a Sheet Pile Quay Wall
Susumu Iai, Tomohiro Kameoka : PHRI

H0021, H3
Pore Pressure and Residual Strain of Saturated Sand and Soft Clay Subjected to Cyclic Loading
Masayuki Hyodo, Kazuya Yasuhara : Yamaguchi University

H0022, H3
Development of Liquefaction Sensor
Susumu Yasuda, Iwao Morimoto, Yoshihisa Shimizu : Kyushu Institute of Technology

H0023, H3
Simplified Examination Method of the Stability of Bridges Considering the Effects of Soil Liquefaction
Ken-ichi Tokida, Jiro Fukui, Hideo Matsumoto : PWRI

H0024, H3
Seismic Design for Road Bridge Considering Soil Liquefaction
- Seismic Design Specifications of Road Bridge and its Design Example -
Katsuya Wada, Toru Terayama : Metropolitan Expressway Public Corporation

H0025, H3
Seismic Stability of Structures Buried in Liquefiable Sands against Uplift
Yasuyuki Koga, Jun-ichi Koseki : PWRI

H0026, H3
A Study on the Effects of Ground Displacement Conditions on Evaluating the Resistivity of Pipelines in the Liquefaction Areas
Eiichi Kodama, Shin-ichi Suzuki : Tokyo Gas Co., Ltd.

H0027, H3
Countermeasures against Liquefaction in Japan - Types and Features of the Methods -
Yukihisa Tanaka, Yutaka Nakajima, Hideo Tsuboi : Institute of Electric Power Industry

H0028, H3
Several Applications of Countermeasures against Liquefaction at Artificially Reclaimed Lands in Japan
Susumu Yasuda : Kyushu Institute of Technology

H0029, H3
Liquefaction Resistance Design of the Trans-Tokyo Bay Highway
Tomoji Hirukawa, Toshihiro Meta, Y. Kawase, Y. Mizutani, M. Ohta, Hisato Kato, S. Nakamura : Trans-Tokyo Bay Highway Corporation

H0030, H3
Liquefaction Induced Behavior and Remediation for Mormon Island Dam
Richard H. Ledbetter, W.D.L. Finn, J.S. Nickell, R.E. Wahl, Mary Ellen Hynes : WES

H0031, H3
Soil Improvement Area against Liquefaction
Susumu Iai, Yasuo Matsunaga : PHRI

H0032, H3
Analysis of Liquefaction Damages and Aseismatic Countermeasures for Conduits
Koji Yagi, Shunji Nagamachi : NTT Tsukuba Field Engineering Development Center

H0033, H3
Gentle-Slope Bank and Super Embankment Construction Project of the Sumida River
Kaoru Kusano : Institute of Civil Engineering, Tokyo Metropolitan Government

TASK COMMITTEE "I" Storm Surge and Tsunamis

10001.12

Decay of the Initial Crest of the 1960 Chilean Tsunami : Scattering of Tsunami Waves Caused by Sea Mounts and the Effects of Dispersion

Yoshinobu Tsuji : Earthquake Research Institute, University of Tokyo

10002.12

On Frequency Modulation Observed in Two PacTOP Deep Ocean Tsunami Records

Frank I. Gonzales : Pacific Marine Environmental Laboratory, NOAA

10003.12

On the Generation Mechanism of the Low Frequency T Phase due to Tsunamigenic Earthquakes

Shin-ichi Iwasaki : NIED

10004.12

Modeling Implication of the 1985 Chilean Tsunami

Gerald T. Heberstreit, M.S. Moustafa : Science Applications International Corporation

10005.12

Observation of Standing Edge Waves Trapped on the Shelf of Makurazaki Coast

Yoshinobu Tsuji, Takashi Yanuma : Earthquake Research Institute, University of Tokyo

10006.12

The Criteria for Identification of Tsunami Events Likely to Produce Far-Field Damage, A Data Application

Patricia A. Lockridge : National Geophysical Data Center, NOAA

10007.12

Impulsive Force of Timbers Drifted by Tsunamis

Hideo Matsutomi : Akita University

10008.12

Simulation Models of Timber and Oil Spread due to Tsunamis

Chiaki Goto : PHRI

10009.12

Stem Waves and Hexagonal Wave Pattern in Shallow Water

Sung B. Yoon, Philip L.-F. Liu : Cornell University

10010.12

Numerical Simulation and Experiment on Tsunami Run-Up

Shigeru Yamaki, Takaaki Uda : I.N.A. Civil Engineering Consultants Co., Ltd.

10011.12

Tsunami Propagation from a Finite Source

George Carrier : Harvard University

10012.12

Hydraulic and Numerical Experiments of Non-Linear Dispersive Waves in Two-Dimensional Wave Basin

Fumihiko Imamura, Nobuo Shuto : Tohoku University

10013.12

On Momentum Exchange of a Tsunami Bore at a Shoreline

Hary Yeh : University of Washington

10014.12

Least Squares Estimations of a Tsunami Source from Wave Records

Harold G. Loomis : University of Hawaii

10015.12

Numerical Simulation as a Means of Warning for Near-Field Tsunamis

Nobuo Shuto, Chiaki Goto, Fumihiko Imamura : Tohoku University

10016.12

Numerical and Hydraulic Modeling Flooding

Charles L. Mader : Joint Institute for Marine & Atmospheric Research, University of Hawaii

10017.12

Experiment on Two Dimensional Transformation of Non-Linear Long Waves Propagating on Slope

Takaaki Uda : PWRI

10018.12

Numerical Computation of the Tsunami Run-Up

Zygmunt Kowalik : Institute of Marine Science, University of Alaska

10019.12

Inundation and Tsunami Waves

George D. Curtis : Joint Institute for Marine & Atmospheric Research, University of Hawaii

10020.12

Urban Planning for Tsunami Hazards

- Grays Harbor, Washington and Lima, Peru

Jane Preuss : Urban Regional Research

10021.12

Ocean Bottom Pressure Gauge for Tsunami Warning System in Japan

Masami Okada : MRI

I0022.12

**Automatic Estimations of Tsunami Risk
Following a Distant Earthquake Using the
Mantle Magnitude Mm.**

**Emile A. Okal, Jacques Talandier, Dominique Reymond :
Northwestern University**

I0023.12

**Real-Time Determination of Earthquake
Source Parameters and its Application to
Tsunami Warnings**

Kenji Sakate : University of Michigan

I0024.12

**Assessment of Project THRUST : Past,
Present, Future**

**Eddie N. Bernard : Pacific Marine Environmental
Laboratory, NOAA**

TASK COMMITTEE "J" Wind and Earthquake Engineering for Offshore and Coastal Facilities

- J0001, J1
Outline of the Specifications for Earthquake-Resistant Design of Highway Bridges in Japan
Toshio Iwasaki : PWRI
- J0002, J1
Outline of the Specifications for Substructures of Highway Bridges in Japan
Kazuya Ohshima, Koji Kaminaga : PWRI
- J0003, J1
Seismic Design Forces of Highway Bridges in Japan
Kazuhiko Kawashima : PWRI
- J0004, J1
Experimental Study of Embankment on Sandy Layers
Tadashi Arakawa : PWRI
- J0005, J1
Dynamic Response Analysis for Seismic Design of Highway Bridges
Ryoji Hagiwara : PWRI
- J0006, J1
Ductility Demand for Bridge Piers
Shigetoshi Kobayashi, Hirotsuka Kawano : PWRI
- J0007, J1
Earthquake Resistant Design of Tokyo Bay Crossing Bridge
Shin-ichi Ando, Tomoji Hirukawa : Japan Highway Public Corporation
- J0008, J1
Earthquake Resistance Design of the Meiko Nishi Bridge
Michio Takahashi : Japan Highway Public Corporation
- J0009, J1
A Dynamic Analysis of a Multi-Span Continuous Bridge
Mitsuo Hara : Metropolitan Expressway Public Corporation
- J0010, J1
Earthquake Resistant Design for Cable Stayed Bridge
- Ajigawa Bridge, Hanshin Expressway
Susumu Emi, Hiroyuki Nakajima : Hanshin Expressway Public Corporation
- J0011, J1
Earthquake Resistant Design of Bannosu Viaduct
Kozo Higuchi : Honshu-Shikoku Bridge Authority
- J0012, J1
Future Programs at Concrete Division, PWRI
Shigetoshi Kobayashi : PWRI
- J0013, J1
Research Plan on Earthquake Resistance by Foundation Engineering Division
Kazuya Ohshima : PWRI
- J0014, J1
Behavior of Concrete Filled Steel Tubes (Part-3 Beam-Column Members)
Shoichi Sacki, Toshitaka Miyata, Koichi Minosaku : PWRI
- J0015, J1
Future Programs at Ground Vibration Division
Tadashi Arakawa : PWRI
- J0016, J1
Future Programs at Earthquake Engineering Division, PWRI
Toshio Iwasaki : PWRI
- J0017, J1
Earthquake Resistant Design and Tests of the Katashina-Gawa Bridge
Tsutomu Kadotani, Hiroshi Yoshida : Japan Highway Public Corporation
- J0018, J1
Observation of the Behaviour of Multi-Span Continuous Girder Bridges
Hiroyoshi Miyauchi : Metropolitan Expressway Public Corporation
- J0019, J1
Future Programs of Hanshin Expressway Public Corp.
Hiroyuki Nakajima : Hanshin Expressway Public Corporation
- J0020, J1
Earthquake Resistant Design of Akashi Kaikyo Bridge
Mamoru Yamagata : Honshu-Shikoku Bridge Authority
- J0021, J1
AASHTO Guide Specification Seismic Design for Highway Bridges
James D. Cooper : FHWA
- J0022, J1
Seismic Resistant Bridge Design Criteria in California
James H. Gates : CALTRANS

- J0023, J1
NBS Large Scale Seismic Testing Project
 H.S. Lew : NBS
- J0024, J1
Transportation Research Board Bridge Engineering Activities
 Lawrence F. Spaine : Transportation Research Board
- J0025, J1
Box Girder Bridge Hinge Restraint Test Program
 Lawrence G. Selna : University of California
- J0026, J1
Implementation of the Analytical Capabilities Required for the Aseismic Design of Bridges
 Roy A. Imbsen : Engineering Computer Corporation
- J0027, J1
Seismic Response of Meloland Road Overpass
 Stuart D. Werner, M.P. Levine, J.L. Beck, Sami F. Masri : Aghabian Associates
- J0028, J1
Bridge Foundation Problems
 Richard W. Arden : S.E.A. Inc. Consulting Engineers / Planners
- J0029, J1
Full-Scale Dynamic Testings and Earthquake Response Characteristics of Suspension Bridges
 Ahmed M. Abdel-Ghaffar : Princeton University
- J0030, J1
AASHTO and Bridge Earthquake Engineering
 Jack Freidenrich : New Jersey Department of Transportation
- J0031, J1
Seismic Design Guidelines for Highway Bridges
 - A Brief Overview Concerning their Use
 James Dodson : Nevada Department of Transportation
- J0032, J1
Highway Bridge Design Specifications for Seismic Loads in U.S.
 Veldo M. Goins : Oklahoma Department of Transportation
- J0033, J1
Cable Stayed Bridges - Static and Dynamic Response
 John F. Fleming : University of Pittsburgh
- J0034, J1
Dynamic Field Testing of Full Scale Highway Bridges
 Bruce M. Douglas : University of Nevada
- J0035, J1
NSF Program
 John B. Scalzi : NSF
- J0036, J1
Prospective Experimental Research on Bridge Structures at the National Bureau of Standards
 H.S. Lew : NBS
- J0037, J1
FHWA Program of Earthquake Engineering Research
 James D. Cooper : FHWA
- J0038, J1
Research at the California Department of Transportation
 James H. Gates : CALTRANS
- J0039, J1
National Cooperative Highway Research Program
 Lawrence F. Spaine : Transportation Research Board
- J0040, J2
Basic Design Considerations for U.S. Long-Span Bridges Relative to Wind
 Robert H. Scanlan : Princeton University
- J0041, J2
Wind Resistant Design of Highway Bridge in Japan
 Hirohiko Tada, Koichi Yokoyama, Hiroshi Sato : PWRI
- J0042, J2
New Specifications for Earthquake Resistant Design of Highway Bridges in Japan
 Eiichi Kuribayashi, Toshio Iwasaki, Osamu Ueda : Toyohashi University of Technology
- J0043, J2
Seismic Analysis and Design of U.S. Highway Bridges
 James H. Gates : CALTRANS
- J0044, J2
Study on Wind-Resistant Design for Cable-Stayed Bridge - East Kobe Bridge
 Masahiko Kitazawa, Tetsuo Oku : Hanshin Expressway Public Corporation
- J0045, J2
Mechanical Damper for Suppressing Wind-Induced Vibration of Long-Span Bridges under Construction
 Isamu Kano, Katsuaki Takeda : NKK Corporation
- J0046, J2
New Considerations Relative to the Aeroelastic Stability of Cable-Stayed Bridges
 Robert H. Scanlan : Princeton University

- J0047, J2
Aeroelastic Behavior of Cable-Stayed Bridges
Robert L. Wardlaw : National Research Council of Canada
- J0048, J2
Earthquake Resistant Design for Cable-Stayed Bridge - East Kobe Bridge
Masahiko Kitazawa : Hanshin Expressway Public Corporation
- J0049, J2
Outline of Aseismatic Design for Honshu Shikoku Bridges
Mitsuru Goto, Kozo Higuchi : Honshu-Shikoku Bridge Authority
- J0050, J2
Seismic Design of Long Span Bridge to Use Spring Shoe
Nayomon Uno : Ishikawajima-Harima Heavy Industries Co., Ltd.
- J0051, J2
Earthquake-Response Characteristics of Cable-Stayed Bridges
Ahmed M. Abdel-Ghaffar, Aly S. Nazmy : University of Southern California
- J0052, J2
Study on Behavior of Concrete Filled Steel Tubes
Hirohiko Tada, Hiroshi Shinohara, Koichi Minosaku, Akira Takizawa, Jun Hikino : PWRI
- J0053, J2
Performance of Elastomeric Bearings Used for the Seismic Isolation of a Large-Scale Model Bridge Deck
Ian G. Buckle, James M. Kelly : Computech Engineering Service
- J0054, J2
Investigations on the Design of Highway Bridges to Resist Earthquakes
Douglas A. Foutch, M.E. Barenberg, M.A. Saadeghvaziri : University of Illinois
- J0055, J2
Experimental Investigation on Hysteretic Behavior of Reinforced Concrete Bridge Pier Columns
Toshio Iwasaki, Kazuhiko Kawashima, Ryoji Hagiwara, Kinji Hasegawa, Tatsuhiko Koyama, Takeshi Yoshida : PWRI
- J0056, J2
Field Response Studies of Two Highway Bridges Subject to Simulated Earthquake Loads
Bruce M. Douglas, Ian G. Buckle : University of Nevada
- J0057, J2
California Department of Transportation Bridge Earthquake Retrofitting Program
Ray J. Zelinski : CALTRANS
- J0058, J2
UCLA Bridge Restrainer Testing Program
Lawrence G. Selna : University of California
- J0059, J2
Strong-Motion Instrumentation and Data Interpretation for Bridge Structures : Fundamental Concepts and Research Needs
Stuart D. Werner : Agbabian Associates
- J0060, J2
Strong-Motion Instrumentation, Data Acquisition and Interpretation
James H. Gates : CALTRANS
- J0061, J3
Vibration Tests of the Completed S-Curved Cable Stayed Bridge
Sohei Ohno, Kazuo Yamazaki, Hiroshi Kikkawa : Metropolitan Expressway Public Corporation
- J0062, J3
A Report on the Analysis and Design of Three U.S. Cable-Stayed Bridges
Steven L. Stroh : Greiner Engineering Science Inc.
- J0063, J3
Vibrational Characteristics and Earthquake Resistant Design for Cable-Stayed Prestressed Concrete Bridge - Inagawa II Bridge
Morihsa Sugiyama : Hanshin Expressway Public Corporation
- J0064, J3
Dynamic- and Seismic-Analysis Considerations for the Design of Long-Span Cable-Stayed Bridges
Ahmed M. Abdel-Ghaffar, Aly S. Nazmy : Princeton University
- J0065, J3
Damping Characteristics of Cable-Stayed Bridges
Toshio Iwasaki, Kazuhiko Kawashima, Shigeki Unjo : PWRI
- J0066, J3
Probability-Based Bridge Design Codes
Andrzej S. Nowak : University of Michigan
- J0067, J3
Survey on the Lifespan of Highway Bridges
Minoru Fujiwara, Yasuhiko Iwasaki : PWRI

- J0068, J3
**Earthquake Resistant Design of Akashi
Kaikyo Bridge**
Satoshi Kashima, Masahiko Yasuda, Katsuyoshi
Kanazawa, Koji Kawaguchi : Honshu-Shikoku Bridge
Authority
- J0069, J3
**Earthquake Observation and Dynamic Analysis
of Abutments on Soft Ground**
Hideyuki Keto, Mikio Noda, Katsunori Tanaka : Japan
Highway Public Corporation
- J0070, J3
**Damage Assessment and the Effects of
Vertical Ground Motion on the Response of
Highway Bridges**
Douglas A. Foutch, M.E. Barenberg, M.A.
Saadeghvaziri : University of Illinois
- J0071, J3
Strong Earthquake Motion for Bridge Design
Yasushi Sasaki, Keiichi Tamura, Koh Aizawa : PWRI
- J0072, J3
**Effect of Resin Injection for Repairing
Different Types of Ruptures in Reinforced
Concrete Beams**
Shigetoshi Kobayashi, Kazumasa Morihama, Masashi
Takahashi, Hiroto Takahashi : PWRI
- J0073, J3
**An Evaluation of Seismic Design and Retrofit
Methods in California and the U.S.**
James H. Gates : CALTRANS
- J0074, J3
**Outline of the Studies Regarding the
Aerodynamic Stability of the Stiffening
Girder of the Akashi Kaikyo Bridge**
Kazuo Tada, Masahiko Yasuda, Shuichi Suzuki :
Honshu-Shikoku Bridge Authority
- J0075, J3
**Comparative Wind Tunnel Testing of Bridge
Road Decks**
Robert L. Wardlaw, H. Tanaka, S.J. Zan, Michael G.
Savage, H. Yamada : National Research Council of
Canada
- J0076, J3
**Wind Resistant Design of Cable-Stayed
Bridges**
Koichi Yokoyama, Hiroshi Sato : PWRI
- J0077, J3
**On Interpreting Model and Prototype
Responses of Suspended-Span Bridges to Wind**
Robert H. Scanlan : Johns Hopkins University
- J0078, J3
**On Wind Tunnel Testing of Taut-Strip Bridge
Models**
Hiroshi Tanaka : University of Ottawa
- J0079, J3
**Aerodynamic Stability of the Cables of a
Cable-Stayed Bridge Subject to Rain
(A Case Study of the Ajigawa Bridge)**
Kazuya Ohshima, Masahiro Nanjo : Hanshin Expressway
Public Corporation
- J0080, J3
**Evaluation of Energy Absorption
Characteristics of Highway Bridges under
Seismic Conditions**
Roy A. Imbsen, Wen David Liu : Imbsen & Associates,
Inc.
- J0081, J3
**An Active Control of Traffic Vibration on the
Urban Viaducts**
Kaname Yahagi, Hiromi Kosaka : Metropolitan
Expressway Public Corporation
- J0082, J3
**Seismic Isolation of Bridge Structures in the
United States of America**
Ian G. Buckle, Ronald L. Mayes : Computech
Engineering Services Inc.
- J0083, J3
**Hysteretic Behavior of Reinforced Concrete
Bridge Piers by Dynamic Loading Tests and
Shaking Table Tests**
Toshio Iwasaki, Kazuhiko Kawashima, Kinji Hasegawa,
Tatsuhiko Koyama, Takeshi Yoshida : PWRI
- J0084, J3
**Behavior of 1/6-Scale Model Bridge Columns
Subjected to Cyclic Inelastic Loading**
Geraldine S. Cheok, William C. Stone, H.S. Lew : NBS
- J0085, J3
Outline of Diaphragm Wall Foundations
Hiroshi Shinohara, Michio Okahara, Jiro Fukui, Atsushi
Funakoshi, Keiji Taguchi : PWRI
- J0086, J3
Bridge Research at the University of Nevada
Bruce M. Douglas, Mehdi Saidi, Gary Norris,
Emmanuel A. Maragakis : University of Nevada
- J0087, J3
**Research on Vibration Behavior of Prestressed
Concrete Rigid-Frame Bridge**
Masayuki Yasui, Yasuo Inokuma, Masafumi Kato :
Japan Highway Public Corporation

- J0088, J4
Yokohama Bay Bridge - Use of a Dynamic Damper for Aerodynamic Stability of its Support Tower
 Toru Saito, Manabu Ito, Hiroshi Yamauchi, Shungo Eya : Mitsubishi Heavy Industries, Ltd.
- J0089, J4
Role of Flutter Derivatives in Erection Stage Wind Effects on Cable-Stayed Bridges
 Robert H. Scanlan, Nicholas P. Jones : Johns Hopkins University
- J0090, J4
Wind Tunnel Tests of Cable-Stayed Bridges Using Sectional Model and Aeroelastic Full Model
 Koichi Yokoyama, Hiroshi Sato, Takaaki Kusakabe : PWRI
- J0091, J4
Japan-Canada Joint Research on Bridge Aerodynamics
 Robert L. Wardlaw, N.G. Ball : National Research Council of Canada
- J0092, J4
Wind-Induced Vibrations of Cables of Cable-Stayed Bridges (Preliminary Report)
 Koichi Yokoyama, Hiroshi Sato, Takaaki Kusakabe : PWRI
- J0093, J4
Some Discussions on Buffeting of Bridges
 H. Tanaka, J. Xie : University of Ottawa
- J0094, J4
A Proposal of Improve Aerodynamic Stability of Long-Span Suspension Bridges with Box Girder
 Yuichi Hikami, Kazuo Tada, Yoza Fujino : Ishikawajima-Harima Co., Ltd.
- J0095, J4
Ambient Vibration Measurements on the Quincy Bayview Cable-Stayed Bridge
 John C. Wilson : McMaster University
- J0096, J4
Wind Tunnel Testing of Long-Span Suspension Bridge Using Aeroelastic Full Models
 Yoza Fujino, Yuichi Hikami, Haruki Akiyama : University of Tokyo
- J0097, J4
Full-Scale Dynamic Testing of Long Span Bridges
 Katsuhiko Yamada, Norio Yamamoto, Haruki Akiyama : Honshu-Shikoku Bridge Authority
- J0098, J4
Seismic Response of Base Isolated Highway Bridge by Shaking Table Tests
 Kazuhiko Kawashima, Kinji Hasegawa, Hiroshi Yamauchi, Hiromi Kosaka : PWRI
- J0099, J4
Prioritization in the Phase II Retrofit Program California Department of Transportation
 Brian H. Maroney : CALTRANS
- J0100, J4
Evaluation of Seismic Vulnerability of Highway Bridges
 Kazuhiko Kawashima, Shigeki Unjo : PWRI
- J0101, J4
Seismic Strength and Ductility of Concrete Bridge Columns - Research Needs for New and Existing Bridges
 M.J. Nigel Priestley, Frieder Seible : University of California
- J0102, J4
Large Earthquake Countermeasures for Tomei Expressway Bridges
 Seiji Ohkawa, Yoshito Maeda, Kazuhiko Kawashima, Mitsuaki Saeki : Japan Highway Public Corporation
- J0103, J4
Some Innovations in the Seismic Isolation of Bridges
 Ian G. Buckle : Computech Engineering Services
- J0104, J4
Bridge Strengthening Research at Iowa State University
 F. Wayne Klaiber, Kenneth F. Dunker, Terry J. Wiqf, Wallace W. Sanders, Jr. : Iowa State University
- J0105, J4
Inspection Manual and Data Bank System for National Highway Bridges in Japan
 Shoichi Saeki, Minoru Fujiwara, Yasuhiko Iwasaki, Ryosuke Shibasaki : PWRI
- J0106, J4
Research and Innovation in Strengthening of Concrete Bridge Superstructures
 Frieder Seible, M.J. Nigel Priestley : University of California
- J0107, J4
Present State and Future Problems of Expressway Bridges Maintenance
 Hideyuki Keto, Yasuo Inokuma, Takehiko Sasaki : Japan Highway Public Corporation

- J0108, J4
Bridge Live Loads and Strength Evaluation
Wen David Liu, Robert A. Schamber, Roy A. Imbsen
:Imbsen & Associates, Inc.
- J0109, J4
Non-Jointification of Simply Supported Girders on Elevated Expressways in Service
Minoru Tomita, Toshio Tanaka, Kunihiro Miyahana :
Hanshin Expressway Public Corporation
- J0110, J4
Development of Load and Resistance Factor Design (LRFD) for Bridges
Andrzej S. Nowak : University of Michigan
- J0111, J4
Some Aspects of the Interaction between the Bridge Deck and Abutments during Earthquake
Emmanuel A. Maragakis : University of Nevada
- J0112, J4
Response of One-Way Hinged Pier under Lateral Loads
Mehdi Saiidi, J. Orie, Bruce M. Douglas : University of Nevada
- J0113, J4
Response Evaluation and Research Needs for Seismic Design of Cable-Stayed Bridges
Ahmed, M. Abdel-Ghaffar, Aly S. Nazmy : University of Southern California
- J0114, J4
Recent Activities on Evaluation of Bridge Loading toward Limit States Design in Japan
Yojo Fujino, Minoru Fujiwara, Chitoshi Miki, Yasuhiko Iwasaki, Jun Murakoshi : University of Tokyo
- J0115, J4
Nondestructive Evaluation of Bridge Model Performance
Mihran S. Agbabian, Sami F. Masri, M.I. Traina, O. Waqfi : University of Southern California
- J0116, J4
Similitude Studies of Prototype and 1/6-Scale Model Bridge Columns under Reversed Cyclic Loading
William C. Stone, Geraldine S. Cheok, H.S. Lew : NBS
- J0117, J4
Dynamic Testing and Seismic Response Evaluation of the Meloland Road Overpass
Bruce M. Douglas, C.B. Crouse, Stuart D. Werner : University of Nevada
- J0118, J4
Pier Wall Testing
Lawrence G. Selna : University of California
- J0119, J5
Attenuation Characteristics of Ground Motions in the Period Range of 2 to 20 Seconds - for Application to the Seismic Design of Large-Scale Structures -
Yasushi Sasaki, Keiichi Tamura, Koh Aizawa : PWRI
- J0120, J5
On the Estimation of Longitudinal Linear and Nonlinear Abutment Stiffnesses
Emmanuel A. Maragakis, Bruce M. Douglas : University of Nevada
- J0121, J5
New Aspects regarding the Use of Quick-Release Dynamic Tests for the Experimental Analysis of Bridge Structures
Bruce M. Douglas, Emmanuel A. Maragakis : University of Nevada
- J0122, J5
Hysteretic Behavior of Steel Bridge Piers by Shaking Table Tests
Kazuhiko Kawashima, Kinji Hasegawa, Takeshi Yoshida, Takefumi Ikeuchi : PWRI
- J0123, J5
Aseismic Study of Kawasaki Manmade Island in Trans-Tokyo Bay Highway Project
Hiroshi Shinohara, Akinori Hasegawa, Tsuguo O-ishi : Trans-Tokyo Bay Highway Co., Ltd.
- J0124, J5
Considerations for the Seismic Design of the Clark Cable-Stayed Bridge
Douglas A. Foutch, Thomas Havenar, Shahram Pezeshk : University of Illinois
- J0125, J5
Experiment on the Effects of Turbulence on Wind-Induced Vibrations of Long-Span Bridges
Koichi Yokoyama, Hiroshi Sato : PWRI
- J0126, J5
Study on Suppressing Wind-Induced Vibration in Plane for Tower of Yokohama Bay Bridge under Construction (Design and On-site Testing of a Dynamic Damper for Cable Suspension Bridge)
Katsuya Wada, Haruo Takano, Hiroshi Makuta : Metropolitan Expressway Public Corporation
- J0127, J5
Damping Stay Cables with Ties
Fazl Ehsan, Robert H. Scanlan : Johns Hopkins University

- J0128, J5**
Field Instrumentation of the I-295 Cable-Stayed Box Girder Bridge
 Thomas T. Baber, Ferman W. Barton, M. Mohr, D. Ramsey : University of Virginia
- J0129, J5**
Wind Resistant Design for the Akashi Kaikyo Bridge
 Masaaki Tatsumi, Kensaku Hata, Masahiko Takeuchi : Honshu-Shikoku Bridge Authority
- J0130, J5**
Structural Modifications for Enhanced Aerodynamic Behavior of a Suspension Bridge
 Harold R. Bosch : FHWA
- J0131, J5**
Investigation of Aerodynamic Performance of Tokyo Port Bridge
 Hiromi Kosaka, Hisamitsu Hanno, Yozo Fujino : Metropolitan Expressway Public Corporation
- J0132, J5**
Aerodynamic Stability of Three Parallely Located Box-Girder Bridges
 Shigeru Motoyama, Mitsuru Hoshino, Noboru Takahashi, Tadaaki Maruyama : Kansai International Airport Co., Ltd.
- J0133, J5**
Current Research on Cable-Stayed Bridges at Caltrans
 Hany Jamil Farran : California State Polytechnic University
- J0134, J5**
Design and Experiments on Shin-Hamadera Ohashi Bridge
 Osamu Yoshikawa, Isao Sugiyama, Fumio Hakamada, Shin-ichi Kaneko : Hanshin Expressway Public Corporation
- J0135, J5**
Quality Control Testing for Construction of Cable-Stayed Bridge at Quincy, Illinois
 H. Eugene Waldner, John M. Kulicki : Modjeski and Masters Consulting Engineers
- J0136, J5**
Large-Scale Plane Strain Bearing Capacity Test of Shallow Foundation on Sand
 Michio Okahara, Shoji Takagi, Hiroshi Obata, Hiroki Mori : PWRI
- J0137, J5**
Evaluation of Tendon Coupling Joints in Continuous Post-Tensioned Concrete Bridges
 Frieder Seible : University of California
- J0138, J5**
Application of Carbon Fiber Reinforced Plastics to Prestressed Concrete Bridges
 Minoru Fujiwara, Koichi Minosaku, Minoru Adachi, Takeaki Yamashita : PWRI
- J0139, J5**
Detection of Structural Changes in a Bridge Model
 Mihran S. Agbabian, Sami F. Masri, M.I. Traina, O. Waqfi : University of Southern California
- J0140, J5**
A Program and Evaluation of Inspection System for Road Structures on Hanshin Expressway
 Shugo Kato, Shigeru Uto, Shun-ichi Motomura, Mikitake Ishizuka : Hanshin Expressway Public Corporation
- J0141, J5**
An Experimental Study on Deterioration of Bridge Deck Slabs and their Repair Methods
 Yoshinori Ito, Yoneo Oka : Japan Highway Public Corporation
- J0142, J6**
Wind Resistant Design of Highway Bridges Installed with Noise Barrier
 Koichi Yokoyama, Yasuhiro Shoji, Masanori Higashikubo : PWRI
- J0143, J6**
Wind-Induced Failure of Bar-Cable on the Cornish-Windsor Bridge
 Dryver R. Huston, Jean-Guy Beliveau : University of Vermont
- J0144, J6**
Wind-Proof Design of the Tower of Akashi-Kaikyo Bridge
 Satoshi Kashima, Masahiko Yasuda, Satoshi Okano : Honshu-Shikoku Bridge Authority
- J0145, J6**
Estimation of Structural Damping Using Field Data from Long-Span Bridges
 Nicholas P. Jones, Robert H. Scanlan, Cheryl A. Spartz : Johns Hopkins University
- J0146, J6**
Sectional Modification of Bridge Tower for Aerodynamic Stabilization
 Takafumi Takeuchi, Akira Nishijima : Sumitomo Heavy Industries Co., Ltd.
- J0147, J6**
Status of Nevada's Seismic Design and Retrofit Program
 Rodney C. Johnson : Nevada Department of Transportation

- J0148, J6**
Seismic Design and Dynamic Tests for the Substructure of an Access Bridge to an Offshore Airport
 Yoichi Fuse, Mitsuru Hoshino, Noboru Takahashi, Hiroshi Kawaguchi : Kansai International Airport Co., Ltd.
- J0149, J6**
Design of Anchorage Zones for Post-Tensioned Concrete Bridges
 David H. Sanders : University of Nevada
- J0150, J6**
Foundation Considerations for CALTRANS Seismic Retrofit Projects
 Adlai F. Goldschmidt : CALTRANS
- J0151, J6**
Comparative Study on Cable-Stayed and Suspension Bridges
 Hany Jamil Farran, Frank Tyboroski, Daniel Schnepf : California State Polytechnic University
- J0152, J6**
Determination of the Cable Forces of the Tomei-Ashigara Bridge (A Cable-Stayed P.C. Bridge) by Using the Optimization Technique
 Hideo Arai, Tsutomu Kadotani, Kohei Furukawa : Sumitomo Construction Co., Ltd.
- J0153, J6**
Brooklyn Bridge Rehabilitation Design and Construction
 Eugene Trachtenberg : Steinman Boynton Gronquist and Birdsall
- J0154, J6**
A Case Study of Recent Bridge Modifications Mainly Wakato-Ohashi Widening Construction of Upper Deck (Two Lanes Suspension Bridge Widened to Four Lanes)
 Tetsuo Kaneko, Takao Ishii : Yokogawa Construction Co., Ltd.
- J0155, J6**
The Houston Ship Channel Cable Stayed Bridge
 Steven L. Stroh, Thomas G. Lovett : Greiner, Inc.
- J0156, J6**
Performance of the Vincent-Thomas Suspension Bridge during the Whittier Earthquake of October 1, 1987
 Ahmed M. Abdel-Ghaffar, Sami F. Masri, Hesham S. Sayed : University of Southern California
- J0157, J6**
Analysis of Damping Characteristics of a Cable Stayed Bridge Based on Strong Motion Records
 Kazuhiko Kawashima, Shigeki Unjo, Yoichi Azuta : PWRI
- J0158, J6**
Analysis of Damage to the Bay Bridge Caused by the Loma Prieta Earthquake of October 17, 1989
 Abolhassan Astaneh : University of California at Berkeley
- J0159, J6**
Implications of Nondestructive and Destructive Tests on the Cypress Street Viaduct Structure
 Jack P. Mochle, Stephen A. Mahin : University of California at Berkeley
- J0160, J6**
Inspection, Evaluation and Rating of Existing Highway Bridge Structures
 Hany Jamil Farran : California State Polytechnic University
- J0161, J6**
Fatigue Damage of Steel Highway Bridges in Japan
 Shoichi Sacki, Minoru Fujiwara, Jun Murakoshi : PWRI
- J0162, J6**
Safety Evaluation of Steel Truss Railway Bridges
 Arya Ebrahimpour, Emmanuel A. Maragakis, Dan O'Connor : University of Nevada
- J0163, J6**
Mechanical Study on Solidification Crack Under Pulsating Loads - Welding on Structures in Service Condition -
 Izumi Imoto, You Chul Kim, Yasumasa Nakanishi : Ishikawajima-Harima Heavy Industries Co., Ltd.
- J0164, J6**
Repair of Earthquake Damage to the San Francisco Oakland Bay Bridge
 Mark Yashinsky : CALTRANS
- J0165, J6**
Response of a Major Freeway Bridge during the Whittier Earthquake
 Wen David Liu, J.M. Ricles, Roy A. Imbsen, M.J. Nigel Priestley, Frieder Seible, F.S. Nobari, R. Yang : Imbsen & Associates, Inc.

- J0166, J6
Lateral Resistance of Diaphragm Wall Foundations
 Michio Okahara, Shoji Takagi, Yoshitomi Kimura, Keiji Taguchi, Kazuhiko Chabayashi : PWRI
- J0167, J6
Simple Modeling of the Impact Energy Losses Occurring between the Bridge Deck and Abutments
 Emmanuel A. Maragakis, Bruce M. Douglas, Spiros Vrontinos : University of Nevada
- J0168, J6
Dynamic Structure - Vehicle Interaction of Highway Bridges and its Implication to Seismic Design
 Isao Sugiyama, Hiroyuki Kameda, Nobuyuki Sasaki, Shiro Kawakita : Hanshin Expressway Administration and Technology Center
- J0169, J6
Effects of Vertical Motions on the Seismic Response of Highway Bridges
 Douglas A. Foutch, M.A. Saadeghvaziri : University of Illinois
- J0170, J6
Ambient Vibration Response of Simple and Complex Bridge Structures
 Ferman W. Barton, Thomas T. Baber : University of Virginia
- J0171, J6
Preliminary Parameter Identification Studies on the Meloland Road Overcrossing
 Bruce M. Douglas, Emmanuel A. Maragakis, Spiros Vrontinos, B.J. Douglas : University of Nevada
- J0172, J6
Dynamic Tests and Seismic Excitation of a Bridge Structure
 Stuart D. Werner, J.L. Beck, A. Nisar : Dames and Moore
- J0173, J6
Synchronization of Human Walking Observed during Lateral Vibration of a Congested Bridge
 Benito M. Pacheco, Yozo Fujino : University of Tokyo
- J0174, J6
Diagnostic Tests for Detection of Structural Changes in a Bridge Model
 Mihran S. Aghabian, Sami F. Masri, M.I. Traina, O. Waqfi : University of Southern California
- J0175, J6
Vibration Test of Yokohama Bay Bridge
 Katsuya Wada, Haruo Takano, Naoyoshi Tsumura, Hiroshi Horiuchi : Metropolitan Expressway Public Corporation
- J0176, J6
Recent Progress in Base Isolation for Bridges in the United States
 Ian G. Buckle : State University of New York at Buffalo
- J0177, J6
Precision Control System under Construction of Yokohama Bay Bridge
 Masahiro Yuki, Jun Sakurai, Kenji Ohsaka, Hiroshi Makuta, Shuji Habu : Metropolitan Expressway Public Corporation
- J0178, J6
Toward Seismic Isolation of Cable-Stayed Bridges
 Ahmed M. Abdel-Ghaffar, Hosam-Eddin M. Ali : University of Southern California
- J0179, J6
The Significance of Redundancy as a Design Objective
 Richard A. Parmelee, Harold R. Sandberg : Alfred Benesch & Company
- J0180, J6
Instrumentation Concepts for Post-Earthquake Assessment
 Robert L. Nigbor : Aghabian Associates
- J0181, J6
Federal Highway Administration Bridge Research Program
 James D. Cooper : FHWA
- J0182, J7
The Seismic Design of Usui Bridge
 Toru Kazama, Sadao Kurasawa, Takeo Nakamura, Yasuyuki Yukawa : Japan Highway Public Corporation
- J0183, J7
Seismic Performance of Cable-Stayed Bridges with Elastomeric and Lead-Rubber Bearings
 Hosam-Eddin M. Ali, Ahmed M. Abdel-Ghaffar : University of Southern California
- J0184, J7
Aseismic Design of the Umemachi Bridge - A Continuous Five-Span Rigid-Frame Bridge with V-Shaped Legs -
 Atsushi Nanjo, Shigeru Kayano : Hanshin Expressway Public Corporation

- J0185, J7
Estimation of Damping Characteristics of Cable Stayed Bridge for Seismic Design
 Kazuhiko Kawashima, Shigeki Unjo, Meguru Tsunomoto : PWRI
- J0186, J7
On the Behavior of Base-Isolated Bearings at Low Temperatures
 Osamu Nakano, Hisashi Konno, Hideyuki Taniguchi, Yuji Ono : Hokkaido Development Bureau
- J0187, J7
Code Developments and Current Applications of Seismic Isolation to Bridges in the United States
 Ian G. Buckle : State University of New York at Buffalo
- J0188, J7
Evaluation of Lateral Inertia Force of Bridges for Seismic Design
 Kazuhiko Kawashima, Kinji Hasegawa : PWRI
- J0189, J7
Damage Assessment of Existing Bridges in Low to Medium Seismic Risk Zones
 John B. Mander : State University of New York at Buffalo
- J0190, J7
Behaviour of Stiffened Box-Section Steel Bridge Piers in Seismic Regions from Model Tests
 Gregory A. MacRae, Kazuhiko Kawashima, Kinji Hasegawa, Takefumi Ikeuchi, Kazuya Ohshima : PWRI
- J0191, J7
Performance of Retrofit Bridges in California
 James H. Gates, Mark Yashinsky : CALTRANS
- J0192, J7
Experimental Study of Phase-Different Ground Motion Effects on the Response of a Suspension Bridge
 Ken-ichi Tokida, Keiichi Tamura, Koh Aizawa : PWRI
- J0193, J7
Foundation Considerations for the Seismic Retrofit of CALTRANS Bridges
 Adlai F. Goldschmidt : CALTRANS
- J0194, J7
A Damping Device on Main Tower Erection for the Suspension Bridge in Metropolitan Expressway Route No.12
 Eisaku Sato, Hiroo Tominaga, Kenji Namikawa, Renji Kiyota, Koji Tanida, Takashi Nose : Metropolitan Expressway Public Corporation
- J0195, J7
Effect of Sidewalk Vents on Bridge Response to Wind
 Nicholas P. Jones, Robert H. Scanlan, Fazl Ehsan : Johns Hopkins University
- J0196, J7
Resistance / Stability to the Wind of Hakucho-Obhashi
 Makoto Niiyama, Hiromi Kawasaki, Yoshiyuki Saito : Hokkaido Development Bureau
- J0197, J7
Measurement of Antivibration Effects by TMD Used in Steel-Decked Box-Girder
 Yoichi Fuse, Noboru Takahashi, Tetsuhisa Kobayashi, Takazumi Ujihara, Kazumi Tamura : Kansai International Airport Co., Ltd.
- J0198, J7
Preliminary Study on Active Control for Wind-Induced Oscillation of Long Span Bridges
 Koichi Yokoyama, Takaaki Kusakabe : PWRI
- J0199, J7
Non-Linear Horizontal Bearing Characteristics of Column Type Foundation
 Michio Okahara, Shoji Takagi, Yoshitomi Kimura : PWRI
- J0200, J7
Accommodation of Movements in Bridge Design
 Charles W. Roeder : University of Washington
- J0201, J7
Estimation of Ultimate Deformation of Column-Footing Joint
 Hirotaka Kawano, Hiroshi Watanabe : PWRI
- J0202, J7
Design, Construction and Model Experiments on Corner Parts of Y-Shape Steel Bridge Piers
 Teruyo Hashimoto, Atsuhiko Makita, Kiyoshi Kobayashi : Metropolitan Expressway Public Corporation
- J0203, J7
Bridge Engineering Research in Progress at the University of Nevada, Reno
 Emmanuel A. Maragakis, Mehdi Saïidi, Bruce M. Douglas, Gary Norris, Raj Siddharthan, David H. Sanders : University of Nevada
- J0204, J7
Current Condition on Introduction of Limit State Design Method to Highway Bridge Design in Japan
 Minoru Fujiwara, Kazuhiro Nishikawa, Koichi Minosaku, Jun Murakoshi, Satoshi Yamamoto : PWRI

- J0205, J7**
United States LRFU Bridge Specification
 John M. Kulicki, Dennis R. Mertz : Modjeski and Masters
- J0206, J7**
Design and Erection of Mono-Cable and Self-Anchored Suspension Bridge
 Tadaaki Maruyama, Masahiro Kamei, Hiroshi Tanaka : Osaka Municipal Government
- J0207, J7**
West Seattle Swing Bridge
 John H. Clark : Andersen Bjornstad Kane Jacobs, Inc.
- J0208, J7**
Foundation Design and Construction for the Akashi Kaikyo Bridge
 Naoshige Nomura, Yoshitaka Yoshida : Honshu-Shikoku Bridge Authority
- J0209, J7**
Construction of the New Bridge Engineering Laboratory Facility at the University of Nevada, Reno
 Bruce M. Douglas, Michael D. Blakely, Mehdi Sajidi, Emmanuel A. Maragakis : University of Nevada
- J0210, J7**
Planning and Design of Multi-Span Continuous Bridges
 U. Kagawa, Toshihiro Meta, S. Nakamura, Hisato Kato : Trans-Tokyo Bay Highway Corporation
- J0211, J7**
Magnetic Perturbation for Cable Inspection of Suspension Bridges
 Charles H. McGogney, James D. Cooper : FHWA
- J0212, J7**
Maintenance and Repair of Bridges in Tokyo
 Takeyoshi Shiozaki, Kazuo Takizawa : Tokyo Metropolitan Government
- J0213, J7**
Emphasis Areas in PennDOT's Bridge Inspection and Repair Program
 Gary L. Hoffman : Pennsylvania Department of Transportation
- J0214, JR1**
Seismic Design, Seismic Strengthening and Repair of Highway Bridges in Japan
 Kazuhiko Kawashima : PWRI
- J0215, JR1**
Bridge Substructures and Design Methods
 Michio Okahara, Shoji Takagi, Shoichi Nakatani : PWRI
- J0216, JR1**
Design Details of Reinforced Concrete Bridges in Japan
 Taisuke Akimoto : Metropolitan Expressway Public Corporation
- J0217, JR1**
An Overview of Damage to Bridges in the Loma Prieta Earthquake of October 1989
 H.S. Lew : NIED
- J0218, JR1**
San Francisco Double Deckers - Observed Damage and a Possible Retrofit Solution
 M.J. Nigel Priestley, Frieder Seible : University of California
- J0219, JR1**
Full-Scale Tests on the Cypress Viaduct
 Stephen A. Mahin, Jack P. Moehle : University of California
- J0220, JR1**
Assessment and Retrofit Research for Multi-Level, Multi-Column Bents
 Stephen A. Mahin, Jack P. Moehle : University of California
- J0221, JR1**
Prioritizing Bridges for Seismic Retrofit
 James H. Gates, Brian H. Maroney : CALTRANS
- J0222, JR1**
Damage and Performance Assessment of Existing Concrete Bridges under Seismic Loads
 Frieder Seible, M.J. Nigel Priestley : University of California
- J0223, JR1**
Large Earthquake Countermeasures for Bridge Substructures on the Tomei Expressway
 Toshikazu Tsubouchi, Kenji Ohashi, Kazushige Arakawa : Japan Highway Public Corporation
- J0224, JR1**
Seismic Inspection and Seismic Strengthening of Reinforced Concrete Bridge Piers with Termination of Main Reinforcement at Mid-Height
 Kazuhiko Kawashima, Shigeki Unjo, Hiroyuki Iida : PWRI
- J0225, JR1**
Seismic Strengthening of Reinforced Concrete Piers on Metropolitan Expressway
 Taisuke Akimoto, Hiraku Nakajima, Fukashi Kogure : Metropolitan Expressway Public Corporation

AUTHOR INDEX

5. AUTHOR'S INDEX

Abbey, Robert F.	0483			Astaneh, Abolhassan	J0158		
Abdel-Ghaffar, Ahmed M.	0536, J0029, J0051, J0064, J0113, J0156, J0178, J0183			Atkinson, Richard H.	C0044		
	0509, 0541			Azuta, Yoichi	J0157		
Abo, Ryoichi	C0065						
Adachi, H.	J0138			Baba, Aijo	0262, 0550, C0072		
Adachi, Minoru	0721			Baber, Thomas T.	J0128, J0170		
Adachi, Yoshio	0485			Babendreier, Charles A.	0058		
Adhya, K.K.	0302, 0303, 0368, 0460, C0018, C0031, D0007, J0115, J0139, J0174			Bagchi, G.	0326		
Agbabian, Mihran S.	0579, 0724, E0001, E0007, F0011, F0023, J0071, J0119, J0192			Baker, T.	C0033		
	F0017			Ball, N.G.	J0091		
Alzawa, Koh	0727, 0758			Ballard, Jr., R.F.	0615		
	J0216, J0225			Balsara, Jimmy P.	0093, 0193		
Akagi, Hisanobu	J0096, J0097			Bampton, M.C.C.	0292, 0398		
Akagiri, Takekazu	0494, 0496, C0061, C0071, C0084, C0097			Banno, Noboru	0279, 0378		
Akimoto, Taisuke	0084, 0232, 0753, E0005			Barnes, M.E.	J0054, J0070		
Akiyama, Haruki	J0178, J0183			Barrionto, Celso S.	0272, 0311, 0312, 0324, 0336, 0376, 0426, 0461, 0476, 0594, 0672		
Akiyama, Tomoaki	0517				J0128, J0170		
Algermissen, S.T.	0405			Barton, Ferman W.	0321		
	0605			Batts, Martin E.	C0044		
All, Hosam-Eddin M.	0C90			Baur, John C.	J0027, J0172		
An, Hui Soo	0269, 0306, 0308			Beck, J.L.	0287		
Anderson, Erik D.	J0007			Becker, James M.	0003		
Anderson, John G.	F0002, 0271			Begg, George B.	0488, 0566		
Anderson, L.O.	0732, 0733			Behn, Richard R.	J0143		
Anderson, William A.	0683, 0227			Beliveau, Jean-Guy	0652		
Ando, Shin-ichi	C0066, C0069, C0079, C0083, C0093, D0002, D0009, D0014, D0031, D0039			Bennett, Michael J.	0652		
Ang, A. H-S.	J0152			Bernard, Eddie N.	0024		
Aoki, Hirofumi	J0223			Bergmann, Ernest	0233		
Aoki, Yoshiki	0616			Bernard, Eddie N.	0423, 0463, 0488, 0566		
Aoki, Yoshitsugu	0403, 0406, 0444, 0475, 0500, 0510, C0047, J0004, J0015				C0011, C0030, C0046		
Aoyama, H.	H0014			Bertero, Vitelmo V.	0658		
	0443, 0506			Bevins, Messrs Tommy	0195		
Arano, Masanobu	J0028			Bieganousky, M.A.	0349		
Archuleta, Ralph J.	0012, 0057			Bienkiewicz, B.	J0209		
Arden, Richard W.	0362			Blakely, Michael D.	0605		
Ariga, Toshiji	0328, 0365, 0410, F0004			Bodin, Paul	0587		
Arima, Takanori	0045			Boggs, H.L.	0170		
Arman, Tecman	0586			Bohannon, Billy	0351, 0400		
	0290, 0332, 0333, C0009			Boore, David M.	0082, 0115, 0422, 0532		
Arno, Norman L.	0412, 0421, 0458, C0009, C0042			Borchardt, Roger D.	0783		
					0765		
Asai, Yutaru				Borgman, Leon E.	0141, 0253, 0292, 0482, 0526, 0573, 0609, 0643, 0678, 0712, J0130		
Asama, Tatsuo				Boech, Harold R.	0214, 0317, 0353, 0402, 0578, 0613, 0663, 0684, 0734, 0761		
Asanuma, Hideya					C0030		
				Brookan, S.	0605		
				Brune, James N.	J0053, J0056, J0082, J0103, J0176, J0187		
				Buckle, Ian G.			

Butler, H. Lee	0597,	0670,	0716	Dobry, Ricardo	0334		
Bycroft, G. Noel	0578			Dodd, Jerry S.	0221		
				Dodd, Lawrence	0501		
				Dodson, James	J0031		
Calderon, Ennque Del Val	0662			Doherty, Patrick C.	0109		
Callaway, Thomas R.	0008			Dohi, Tadao	0758,	E0008	
Carrier, George F.	0011			Douglas, B.J.	J0171		
Cayes, Loyd R.	0251			Douglas, Bruce M.	0440,	0501,	J0034,
Celebi, Mehmet	0691,	0780			J0056,	J0086,	J0112,
Cernak, J.E.	0349				J0117,	J0120,	J0121,
Chaboyashi, Kazuhiko	J0166				J0167,	J0171,	J0203,
Chai, Y.H.	J0227				J0209		
Chan, H.M.	C0020			Drenick, R.F.	0326		
Chang, Frank K.	0197,	0615		Dressel, John T.	0009		
Chang, I-Kwang	F0009			Dunker, Kenneth F.	J0104		
Changery, Michael J.	0206,	0240,	0278				
Chao, J.	C0033						
Chelapast, C.V.	0270,	0363,	0372,	Eagling, Donald	0769		
	0451,	0559		Ebrahimpour, Arya	J0162		
Chen, Albert T.F.	0109			Eguchi, Ronald T.	0739,	F0037	
Chen, C.C.	0328			Ehsan, Fazi	0643,	J0127,	J0195
Chen, Jye	0312,	0717		Emi, Susumu	J0010		
Chen, M.C.	0185			Enami, Yoshiyuki	0053,	0064	
Chen, P.C.	0560			Endo, Toneo	0030,	0055,	C0019,
Cheng, David H.	0292				C0032,	C0045,	C0059,
Check, Geraldine S.	0585,	0654,	J0084,		C0064,	C0078	
	J0116			Endo, Y.	C0061		
Chiarito, Vincent P.	0581			Enokida, Minoru	H0012		
Chiba, Osamu	0452			Ericksen, George E.	0076,	0083,	0113
Chino, Keiji	0364			Eto, H.	C0062		
Chiu, Arthur N.L.	0381			Eventale, F.G.	0594		
Choa, J.	C0020			Ewing, R.D.	C0031		
Chong, Ken P.	0767,	0778,	0779	Eya, Shungo	J0088		
Chrostwald, Jon D.	F0037						
Chu, Kyo Sung	0517						
Chung, Riley M.	0334,	0405,	0548	Fagundo, Fernando	0285		
Clark, John H.	J0207			Farran, Haniy Jamil	J0133,	J0151,	J0160
Cloud, William K.	0002,	0023,	0041	Farrar, Jeffrey A.	0520,	0548,	0632,
Converse, A.M.	0241				0777,	H0001	
Cooper, James D.	0124,	0139,	0204,	Farrar, Paul D.	0670		
	0233,	0294,	0339,	Fattal, S.G.	0131		
	0696,	C0013,	J0021,	Filliben, James J.	0278		
	J0037,	J0181,	J0211	Finn, W.D.L.	H0016,	H0030	
Cooper, S.S.	0195			Fintel, Mark	0151,	0199,	0200
Corley, W.G.	0430			Fleming, John F.	0413,	0439,	J0033
Costello, James F.	0203			Fleming, Jr., R.L.	H0016		
Costas, Nicholas C.	0305			Forell, Nicholas F.	C0041		
Cowel, Andrew D.	C0011			Forrest, T.W.	H0016		
Crist, Robert A.	0167			Foss, J.W.	F0008		
Crouse, C.B.	J0117			Foutch, Douglas A.	0522,	0662,	J0054,
Crowson, Roger D.	0193				J0070,	J0124,	J0169
Culver, Charles G.	0122,	0126,	0191	Fox, Gerard F.	0347		
Curro, Jr., Joseph R.	0289			Franklin, Arley Gus	0331,	0357,	0408,
Curtis, George D.	0019				0447,	0548,	0583,
					0615,	0650,	0735
					0723		
Datta, S.K.	0542			Freeland, G.E.	0505,	D0004,	D0026,
Degenkolb, Oris H.	C0008,	C0015,	C0043	Freeman, Sigmund A.	D0037		
Dewey, Robert L.	0596			Freidenrich, Jack	J0030		
Dickers, R.D.	0051			Fujii, tatsuya	0346		
Diaz, Karl M.	0596			Fujinawa, Yuko	0309		

Fujino, Yoza	J0094, J0131, 0657	J0096, J0173	J0114,	Greenwood, George E.	C0037		
Fujisawa, Masaki				Gross, James G.	0710		
Fujita, M.	C0070			Gurvin, Peter E.	0529		
Fujitani, Tokunosuke	0378, 0576, 0469	0436, 0750	0558,	Guthrie, Lucian G.	0487,	0698	
Fujiwara, Goji				Gutman, Nathaniel B.	0173		
Fujiwara, Hiroshi	J0229			Habu, Shuji	J0177		
Fujiwara, Minoru	0653, J0114, J0204	J0067, J0138,	J0105, J0161,	Hadala, P.F.	0331		
Fujiwara, Shigemi	0205, 0322	0238,	0277,	Hadate, Takayuki	0179, 0307, 0474,	0231, 0411, 0497,	0268, 0411, 0547,
Fukuda, Makoto	0571			Hagihara, Ryoji	J0005, J0055		
Fukui, Jiro	0364, 0776,	0421, H0023,	0773, J0085	Hakala, William	0269, 0306		
Fukuoka, Masami	0015,	0026,	0035	Hakamada, Fumio	J0134		
Fukuta, Toshibumi	0262, 0512,	0431, D0028	0465,	Hall, Robert	0658		
Fuller, G. Robert	0154, 0387, C0005, D0041	0263, 0645,	0284, 0682, D0008,	Hameda, Kazuo	0208		
Funakoshi, Atsushi	0617,	J0085		Hameda, masanori	0365,	F0020	
Furukawa, Kohei	J0152			Hanafusa, Tatsuo	0378, 0576	0436,	0558,
Furuya, Toshio	0256			Hanno, Hisamitsu	J0131		
Fuse, Yoichi	J0148,	J0197		Hanson, Robert D.	0265, 0601,	0396, 0744	0521,
Fuyuki, Mamoru	H0002			Hara, Mitsuo	J0009		
Gade, Richard H.	0063, 0165	0080,	0141,	Hara, Yoshifumi	0553		
Garcia, Andrew	0716			Hardy, Thomas A.	0597		
Gates, James H.	0457, J0022, J0060, J0221,	0535, J0038, J0073,	0622, J0043, J0191,	Harris, James Robert	0258,	0275,	0374
Gates, N.C.	0228			Hart, G.C.	D0010,	D0029,	D0033
Gaus, Michael P.	0058, 0306	0137,	0269,	Hart, James	0440		
Gentry, R. Cecil	0105			Haruyama, Hitoshi	0298		
Gergely, Peter	0285, D0017, C0024	0295, D0036	0552,	Hasagawa, Akinori	J0123		
Gerich, Andrei				Hasagawa, Knji	0497, 0675, 0766,	0547, 0706, F0025,	0631, 0731, J0055,
Gibbs, H.J.	0005,	0034,	0047	Hashimoto, Hiroshi	J0083, J0188,	J0098, J0190,	J0122, J0232
Gibbs, James F.	0115			Hashimoto, Teruyo	0310, 0425,	0337, 0462	0377,
Gods, Yoshimi	0313,	0425,	0462	Hata, Kensaku	J0202		
Goddin, W.G.	0185			Hattori, Hiroaki	J0129		
Goel, Subhash C.	0522			Hattori, Sadaiku	F0033,	H0014	
Goine, Veldo M.	J0032				0142, 0355,	0222, 0471,	0314, 0511,
Goldan, Joseph H.	0711			Haugen, Duane A.	0640		
Goldschmidt, Adlai F.	J0150,	J0193		Havenar, Thomas	0237		
Gonzales, Frank I.	0715,	I0002		Hayashi, S.	J0124		
Goto, Chiaki	0703, I0015	0782,	I0008,	Hayashi, Satoshi	C0095		
Goto, Katsushi	0473				0014, 0040,	0024, 0044,	0033, 0067,
Goto, Mitsuru	H0008,	J0049		Hays, Walter W.	0086, 0159,	0091, 0176,	0110, 0198,
Goto, Noritoshi	0211				0213,	0242	
Goto, Tetsuro	0073, 0393, 0665,	0260, 0448,	0330, 0494,	Healy, John J.	0493,	0656,	0699,
		C0065			0753		
				Heberstrett, Gerald T.	0088		
					0433,	0463,	0490,
				Hendrickson, Erik M.	I0004		
				Hess, Kurt W.	0575		
				Higaki, Norihiro	0311		
					0539		

Higashi, Y.	C0019,	C0045		Ichikawa, Masaji	0085,	0556,	0629
Higashida, Norimasa	J0229			Ichikawa, Seiji	0555		
Higashikubo, Masanori	J0142			Iimura, H.	J0230		
Higuchi, Koza	H0008,	J0011,	J0049	Iiba, Masanori	0640		
Hikami, Yuichi	J0094,	J0096		Iida, Hiroyuki	J0224		
Hidno, Jun	0592,	0653		Iida, Ryuichi	0296,	0507	
Hill, Jack W.	0029,	J0052		Iida, Yutaka	0042,	0072,	0157
Hill, James R.	0723,	0749,	0769,	Iinuma, Tatsuo	0210,	0470	
	E0011,	E0012		Iikuchi, Takekumi	J0122,	J0190	
Hill, Kelly	0062,	0437		Iimae, Hiroshi	0448,	C0027	
Hirade, Tsutomu	0624			Iimae, Ichiro	0059,	0078,	0079
Hiratahi, Hisahiro	0330,	0393,	0394,	Iimamura, Fuminiko	0012,	0015	
	0430,	0494,	0550,	Iimason, Roy A.	0384,	0459,	J0026,
	0563,	0598,	0608,		J0080,	J0108,	J0165
	0633,	0657,	0665,	Iimoto, Izumo	J0163		
	0718,	0743,	C0058,	Iina, Shin-ichi	0593		
	D0042			Iinaba, Seichi	0097,	0103,	0125,
Hirono, Takuzo	0037				0155,	0188,	0190
Hirosewa, Masaya	0055,	0073,	0095,	Iinatomi, Takamasa	0067,	0360,	0484,
	0117,	0119,	0161,		0492,	0688	
	0234,	0260,	0291,	Iinokuchi, Takashi	0570		
	0330,	0392,	0446,	Iinokuma, Yasuo	J0087,	J0107	
	0448,	0494,	0496,	Iinoe, Takahito	0614		
	0503,	0512,	0551,	Iinukai, Mizuo	0785,	0786,	0787,
	0563,	0564,	0604,		0788		
	0608,	0657,	0659,	Iisenberg, Jeremy	0618,	0661,	0740,
	0665,	0692,	0791,		F0006,	F0024	
	C0016,	C0017,	C0025,	Ishibashi, Katsuhiko	0247,	0452	
	C0035,	C0038,	C0040,	Ishii, Takao	J0154		
	C0061,	C0063,	C0071,	Ishikawa, N.	C0060		
	C0079,	C0080,	C0084,	Ishiyama, Yui	0186,	0227,	0238,
	C0085,	C0092,	D0016,		0260,	0297,	0304,
	D0042				0338,	0434,	0452,
Hirukawa, Tomoji	H0029,	J0007			0514,	0565,	0709,
Hjelmstad, Keith D.	0662				C0054		
Hoffman, Gary L.	J0213			Ishizuka, Mikitake	J0140		
Holmayer, Charles H.	0201			Ito, Hiroshi	0262,	C0072	
Holmes, William T.	C0039			Ito, Kohjiro	0291		
Holzer, Thomas L.	0652			Ito, Manabu	J0088		
Hooker, William H.	0239			Ito, Yoshihiro	0520,	0549,	0582,
Hori, A.	C0055				0602,	0666,	H0003
Horino, Masakatsu	0445,	0515		Ito, Yoshinori	J0141		
Horiuchi, Hiroshi	J0175			Itoigawa, E.	C0049		
Hoshino, Mitsuru	J0132,	J0148		Iwan, W.D.	0228		
Hoshino, Yoshinisa	0342,	0555		Iwasaki, Shin-ichi	0628,	10003	
Hosokawa, Y.	C0083			Iwasaki, Toshio	0042,	0069,	0072,
Hsu, T-Liang	C0033				0096,	0114,	0157,
Hughes, Patrick E.	0106				0178,	0196,	0216,
Hull, Arnold R.	0106,	0134,	0173		0218,	0219,	0248,
Huston, Dryver R.	0482,	0573,	J0143		0249,	0264,	0288,
Hynes, Mary Ellen	0771,	H0030			0299,	0316,	0340,
Hynes-Griffin, Mary Ellen	0408,	0447,	0650		0350,	0356,	0406,
Hyodo, Masayuki	H0021				0411,	0412,	0419,
					0473,	0474,	0497,
					0500,	0520,	0547,
					0561,	0579,	0584,
					0586,	0631,	0638,
					0639,	0675,	0706,
					0721,	0731,	0741,
					0792,	C0047,	F0010,
					F0025,	H0007,	J0001,
Iai, Susumu	0242,	0325,	0442,				
	0589,	0623,	E0015,				
	H0005,	H0010,	H0020,				
	H0031						
Ibukiyama, Shiro	0069						
Ichihara, Kaoru	0192,	0231					

J0016, J0042, J0055,
 J0065, J0083
 H0004
 Iwasaki, Tsuneaki
 Iwasaki, Yasuhiko
 Izumi, M.
 Izumi, Masanori
 Izuno, K.

 J0067, J0105, J0114
 C0076, D0011
 0050, 0071
 J0230

 J0312, 0376, 0717
 E0002
 C0090
 J0147
 D0015
 0089, J0145, J0195
 0007, 0038, 0109,
 0180, 0351, 0400

 D0014, D0019
 J0017, J0152
 J0210
 C0022
 0593
 0212
 0756
 E0006, F0015, F0024,
 F0029, J0168
 J0206
 H0020
 0392, 0465
 J0002, 0520
 0394, 0395, 0428,
 0429, 0431, 0477,
 0518, 0598, 0633,
 0673, 0704, 0718,
 0743, 0785, 0786,
 0787, 0788, C0012,
 C0035, C0085, C0087
 0414, 0456
 0752
 J0068
 J0134
 J0154
 J0045
 0639, F0026
 0467, 0480, 0571
 J0068, J0144
 0564, 0608
 0471
 0683
 C0084, C0097
 E0009
 0732, C0073
 H0029, J0210
 J0087
 J0140
 D0011
 C0067, C0068, C0098
 0250
 0062, 0437

Kawaguchi, Hiroshi
 Kawaguchi, Koji
 Kawakami, Hideji
 Kawakami, Kenji
 Kawakita, Shiro
 Kawamata, Shigeoya
 Kawamura, Makoto
 Kawano, Hirotaka
 Kawasaki, Hiromi
 Kawasaki, Ishio
 Kawase, Jiro
 Kawase, Y.
 Kawashima, Kazuhiko

 J0148
 J0068
 F0016, F0030
 0156, 0157
 J0168
 C0023
 F0032
 J0006, J0201, J0228
 J0196
 0158
 0011
 H0029
 0185, 0220, 0264,
 0288, 0299, 0316,
 0350, 0403, 0444,
 0500, 0510, 0547,
 0584, 0586, 0631,
 0639, 0675, 0706,
 0721, 0731, 0766,
 E0010, F0011, F0025,
 F0026, J0003, J0055,
 J0065, J0083, J0098,
 J0100, J0102, J0122,
 J0157, J0185, J0188,
 J0190, J0214, J0224,
 J0232
 0608, C0034
 J0184
 0688
 J0182
 0483
 J0053
 J0069, J0107
 0740
 J0061
 H0019
 J0163
 0356, 0406, 0475
 D0044
 C0098
 0671
 J0166, J0199
 0190, 0215, 0531,
 0577
 0517, 0567
 0728
 0636
 0066, 0071, 0087,
 0142, 0222, 0245,
 0283, 0320, 0395,
 0428, 0429, 0495,
 0513, 0564, 0614,
 0659, 0764, C0025,
 C0063, E0013
 0020, 0022, 0036,
 0048
 F0001
 J0044, J0048
 0329
 0225, 0382, 0409
 J0194

Kelber, F. Wayne	J0104			0343,	0367,	0371,
Kobatake, Y.	C0067,	C0098		0391,	0411,	0419,
Kobayashi, Hiroyoshi	0730			C0007,	C0014,	C0016,
Kobayashi, Kiyoshi	J0202			E0002,	F0022,	F0032,
Kobayashi, Motoo	0298,	0373		J0042		
Kobayashi, Shigetoshi	0586,	C0014,	J0006,	E0002		
	J0012,	J0072,	J0228	0479		
Kobayashi, Tetsuhisa	J0197			0713,	J0090,	J0092,
Kodama, Eiichi	H0026			J0198		
Koester, Joseph P.	0771			H0033		
Koga, Yasuyuki	0112,	0148,	0300,	0520		
	0416,	0549,	0562,	0554,	0638,	0660,
	0569,	0582,	0586,	0683		
	0602,	0621,	0637,	F0022		
	0651,	0666,	0690,			
	0725,	0754,	H0003,			
	H0012,	H0025				
Kogura, Fukashi	J0225					
Kohwal, Naokazu	0101			Ladd, Richard S.	0334	
Kotzum, Katsuhiko	0623,	H0005		Lagorio, Henry J.	0767,	0779
Kotzum, Yasunori	0055,	0073,	0075,	Lander, James F.	0243,	0424,
	0149				0489,	0463,
					0544,	0627,
					0702,	0781
Komada, Keiichi	0121,	0156		Larsen, T.	0740	
Kondo, Masuo	0475,	0510,	0549,	Lee, George K.	0058	
	0561,	H0003		Lee, Patrick A.	0255	
Kondo, Satoru	0296,	0369		Ledbetter, Richard H.	0689,	H0016,
Konishi, Tatsuo	0477,	0517,	0545,	Lee, Charles E.	0004,	0032
	0567			Lee, G.M.	F0037	
				Lee, L.H.N.	0328	
Korino, Hisashi	JC186			Lefter, James	0043,	0068
Kosaka, Hiromi	J0081,	J0098,	J0131	Levine, M.P.	J0077	
Kosaki, Jun-ichi	0651,	0725,	0754,	Lew, Franklin	C0088	
	H0012,	H0025		Lew, H.S.	0051,	0070,
					0654,	0126,
					0693,	0705,
					D0006,	D0030,
					J0036,	J0084,
					J0217	J0116,
Kovacs, W.D.	0520			Lew, Tingley K.	0270,	0486,
Kowalik, Zygmunt	I0018				0745,	0540,
Koyama, Tatsuhiro	0497,	0547,	0631,	Leyendecker, Edgar V.	0051,	0275,
	J0055,	J0083			0464,	0388,
					E0014,	0603,
					D0035	
Kramer, Samuel	0051,	0102		Li, K-N.	0090	
Kringold, Frederick	0269,	0306		Liska, J.A.	I0009	
Krimm, Richard W.	0648			Liu, Philip L.-F.	0269,	0306,
Krinitzsky, Ellis L.	0197,	0246,	0735	Liu, Shih Chi	0432,	0390,
Krumpe, Paul F.	0433,	0753,	0795	Liu, Wen David	J0080,	0779
Kubo, Tetsuo	0281,	0297,	0395	Llorente, Carlos	0287	
Kubota, Toshiyuki	0262,	0395,	0720,	Lockridge, Patricia A.	0544,	0627,
	C0012				I0006	0781,
Kulicid, John M.	J0135,	J0205		Longinow, Anatole	0124,	0233
Kulikov, Ye.A.	I0002			Loomis, Harold G.	I0014	
Kumagai, Yoshio	0342			Lovett, Thomas G.	J0155	
Kumaid, Yosuke	0418			Lu, Le-Wu	C0091	
Kunihira, Tetsuo	0194,	0207		Lucarelli, Peter R.	F0038	
Kuo, Pei-Hong	C0033			Luebke, T.A.	0588	
Kuraawa, Sadao	J0182			Lushring, R.W.	0485	
Kurashige, Kiyoshi	0205			Lund, LeVal	0740,	C0036
Kurata, Eiichi	0040,	0176,	0213,			
	0242,	0352,	0442			
	0026,	0042,	0069,			
	0072,	0096,	0100,			
	0114,	0144,	0147,			
	0157,	0158,	0160,			
	0179,	0192,	0220,			
	0231,	0266,	0267,			
	0268,	0307,	0340,			

MacDonald, Robert B.	0530,	0736			Mehra, Kishor C.	0610,	0680		
Machida, Atsuhiko	J0231				Mena, Enrique	0605			
MacRae, Gregory A.	J0190,	J0232			Merritt, J.L.	F0005			
Mader, Charles L.	J0016				Merritt, Ronald G.	0116			
Maeda, Yoshito	J0102				Mertz, Dennis R.	J0205			
Makawa, Y.	D0021				Meta, Toshihiro	H0029,	J0210		
Magoon, Orville T.	0045				Meyer, C.	D0022			
Mahlin, Stephen A.	0793,	J0159,	J0219,		Meyers, Herbert	0627,	0697,	0781	
	J0220				Midorikawa, Mitsumasa	0431,	0465,	0523,	
Makita, Atsuhiro	J0202					0551,	0600,	0642,	
Makuta, Hiroshi	J0126,	J0177				0764,	0791,	D0028	
Maley, Richard P.	0145,	0578			Micami, Naoya	0556			
Malvar, L. Javier	0498				Miki, Chitoshi	J0114			
Mander, John B.	J0189				Miki, Hiroshi	0520			
Maragakis, Emmanuel A.	J0086,	J0111,	J0120,		Mikoshiro, Tadashi	0531,	0768		
	J0121,	J0162,	J0167,		Miller, Martin C.	0783			
	J0171,	J0203,	J0209		Minami, Ken-ichiro	0409			
	0111,	0195,	0246,		Minami, T.	C0060,	D0021		
Marcuson III, William F.	0289,	0331,	0357		Minesaki, Koichi	0504,	0592,	0653,	
	J0099,	J0221				J0014,	J0052,	J0138,	
Maroney, Brian H.	0019,	0108,	0123,			J0204			
Marshall, Richard D.	0163,	0167,	0183,		Minowa, Chikahiro	0224,	0261,	0286,	
	0467,	0481,	0572,			0768			
	0747,	0780			Mitsui, Yasuo	0256,	0332,	0333,	
Maruyama, Tadaaki	J0132,	J0206				0364,	0386		
Mashimo, Tadao	F0018				Mits, M.	F0014			
Maert, Sami F.	J0027,	J0115,	J0139,		Miyahara, Kunihiro	J0109			
	J0156,	J0174			Miyahara, H.	D0021			
Matsuda, Hiroyuki	0591				Miyata, Toshitaka	J0014			
Matsuda, Takashi	H0012				Miyachi, Hiroyoshi	J0018			
Matsuda, Tetsuo	J0229				Miyawaki, Katsumi	0101			
Matsumoto, Hideo	0510,	0561,	0742,		Mizuguchi, Mamoru	0441			
	0773,	H0017,	H0023		Mizuno, Hatsutazu	0640,	0791		
Matsumoto, Hideteru	0470				Mizutani, Y.	H0029			
Matsumoto, Norihisa	0296,	0369,	0420,		Mizutori, K	D0021			
	0454,	0500,	0507,		Moente, Jack P.	C0052,	D0027,	J0159,	
	0533,	0580,	0616,			J0219,	J0220		
	0667,	0685,	0728,			J0128			
	0762				Mohr, M.	0430			
Matsumura, Akira	0720				Morgan, B.J.	J0136			
Matsumura, George	0505				Mori, Hiroki	J0072,	J0228		
Matsunaga, Yasuo	E0015,	H0031			Morihama, Kazumasa	H0022			
Matsuo, Osamu	0450,	0562,	0602,		Morimoto, Iwao	D0021			
	0637,	0690,	0754,		Morimoto, T.	C0075			
	H0012,				Morino, S.	0651			
Matsushima, Yutaka	0066,	0297			Morishita, Tadashi	C0077			
Matsutomi, Hideo	I0007				Morita, K.	0472			
Matsuura, Yasuo	J0226				Morita, Koji	0317			
Matsuzaki, Y.	C0095				Mork, P.N.	0636			
Mattiesen, R.B.	0175,	0241,	0318		Morohashi, Toshikazu	0341			
Mayer, Ronald L.	0294,	0339,	C0013,		Morony, R.J.	J0140			
	J0082				Motomura, Shun-ichi	J0132			
Maya, J.R.	0587				Motoyama, Shigeru	I0004			
McConnell, Richard D.	0150,	C0029			Moustata, M.S.	0287			
McDonald, James R.	0255,	0749			Mueller, Peter	C0058,	C0060,	C0095	
McDonough, Jr., George F.	0305				Murakami, M.	0444,	0458,	0509,	
McGonney, Charles H.	J0211				Murakami, Misato	C0047			
McGuire, Robin K.	0209,	0248				J0114,	J0161,	J0204	
McLean, F.G.	0449				Murakoshi, Jun	0025			
McNamara, John F.	0120				Murata, Yoji	0119,	0136,	0138,	
Meahan, John F.	0153,	0259,	0315		Murota, Tatsuo	0166,	0184,	0238,	

	0304,	0345,	0362,		0207,	0236,	0250,
	0380,	0399,	0472,		0293,	0348,	0383,
	0527,	0574,	0593,		0397,	0414,	0421,
	0600,	0604,	0614,		0438,	0456,	0458,
	0635,	0646,	0692,		0480,	0525,	0571,
	0700,	0708,	0733,		0611,	0644,	0677,
	0743,	0750,	C0016,		0679		
	C0040,	C0049,	C0074,	Narumi, Naonobu	H0013		
	C0077,	D0016		Nash, John F.	0174		
Murphy, Leonard M.	0023			Nazmy, Aly S.	J0051,	J0064,	J0113
Murray, Robert C.	0749,	E0011,	E0012	Nelson, Thomas A.	E0012		
Mutsuyoshi, Hiroshi	J0231			Nemoto, Shigeru	0079		
				Nickell, J.S.	H0030		
				Nicoletti, Joseph P.	0505		
				Nigbor, Robert L.	J0180		
Nagai, Akira	0756			Nino, Hiroshi	0750		
Nagamachi, Shunji	H0032			Niino, Tadashi	E0002,	F0022	
Nagamori, Mineo	0046			Niizuma, Makoto	J0196		
Nagao, Mitsuru	0098			Nisar, A.	J0172		
Nagaoka, Masatoshi	0555,	0591,	0668	Nishijima, Akira	J0146		
Nagasaka, H.	E0002			Nishikawa, Kazuhiro	J0204		
Nagase, Hideo	H0019			Nishimura, Masao	0683		
Nagashima, Hiroyuki	0766			Nishio, Nobuaki	F0021		
Naito, Gen-ichi	0468,	0557		Nishioka, Shozo	E0002		
Naito, Keiichi	0279,	0378,	0436,	Nishiyama, Isao	0465,	0512,	0523,
	0558,	0576			0551,	0593,	0600,
	0467,	0611			0642,	0655,	C0074,
Nakagami, Yoichi	0050,	0138			C0075		
Nakahara, Mitsuo	H0011			Nobari, F.S.	J0165		
Nakajima, Hideo	J0225			Noda, Mikio	J0069		
Nakajima, Hiraku	J0010,	J0019		Noda, Setsuo	0091,	0159,	0198,
Nakajima, Hiroyuki	J0010,	J0019,	0473		0213,	0301,	0325,
Nakajima, Takeo	0412,	0419,	0473		0329,	0352,	0360,
Nakajima, Yuzaka	H0027				0407,	0409,	0442,
Nakamura, Ipppei	J0226				0484,	0492,	0539,
Nakamura, S.	J0210				0589,	0606,	0623,
Nakamura, Takeo	J0182				0649,	0688,	0775,
Nakanishi, Yasumasa	J0163				H0010		
Nakano, Kimiaki	0554			Noji, T.	C0061,	C0062	
Nakano, Kyoshi	0095,	0117,	0119,	Noland, James L.	0599,	0634,	0674,
	0127,	0136,	0226,		0707,	0719,	0789,
	0227,	0234,	0283,		C0044		
	0338,	0391,	C0012	Nomura, Naoshige	J0208		
	F0013,	H0014		Norman, Charles D.	0193		
Nakano, Masahiro	J0186			Norris, Gary	0501,	J0086,	J0203
Nakano, Osamu	0477,	0518		Norton, William E.	0491		
Nakashima, Masayoshi	0161,	0393,	0428,	Nose, Takashi	J0194		
Nakata, Shinsuke	0429,	0448,	0479,	Novomestky, F.	0326		
	0640,	0665,	0718,	Nowak, Andrzej S.	J0066,	J0110	
	0760,	0785,	0786,	Nutt, Richard V.	C0013		
	0787,	0788,	C0034,	Nyman, Douglas J.	F0003		
	C0035,	C0057,	C0072,				
	C0080						
Nakutani, Shoichi	J0215,	0617,	0669				
Nakayama, Shigeo	0225			O'Connor, Dan	J0162		
Nakazawa, Kazuto	0264,	0267,	0307	O'Donnell, Keith O.	0092,	0152	
Namikawa, Kenji	J0184			O'Rourke, Thomas D.	0618,	F0024	
Nanjo, Atsushi	J0184			Obata, Hiroshi	J0136		
Nanjo, Masahiro	J0079			Obinata, Naomi	0500,	0554,	0584,
Narihara, H.	C0076				0639		
Narita, Nobuyuki	0021,	0052,	0061,		0686		
	0064,	0081,	0104,	Oda, Hideaki	0224,	0768	
	0140,	0168,	0182,	Ogawa, Nobuyuki			

Ogino, Akihiko	F0032				0722,	0759,	0776,
Oh-oka, Hiroshi	0291,	0446			J0085,	J0136,	J0166,
Ohashi, Kenji	J0223				J0199,	J0215	
Ohashi, Masamitsu	0216,	0219,	0226,	Ohai, Emile A.	I0022		
	0249,	0288,	0299,	Okamoto, Shin	0055,	0103,	0234,
	0342				0394,	0428,	0429,
Ohashi, Yuji	0297,	0709,	0770		0477,	0518,	0550,
Ohkawa, Izuru	0446,	0565			0568,	0598,	0599,
Ohkawa, Seiji	J0102				0633,	0673,	0704,
Ohkoshi, T.	C0082				0718,	0720,	0785,
Ohkubo, M.	C0058,	C0059,	C0089		0786,	0787,	0788,
Ohkubo, Masahiko	0616,	0667,	0728,		C0012,	C0035,	C0049,
	0762				C0082,	C0087,	D0012,
Ohkubo, Tadayoshi	0018,	0021,	0052,	Okano, Satoshi	D0025,	D0034,	D0038
	0053,	0061,	0064,	Oku, Tetsuo	J0144		
	0077,	0081,	0103,	Okuda, Minoru	J0044		
	0121,	0132,	0140,	Omata, Atsushi	0036,	0238	
	0156,	0168,	0182,	Omote, Shun-ichiro	0543,	0630	
	0236,	0244,	0250,	Onate, Mario	0017,	0025	
	0276,	0299,	0316,	Onizawa, K.	0605		
	0350,	0383,	0397,	Ono, Yuj	C0056		
	0403			Orie, J.	J0186		
Ohkuma, Takeshi	0527			Oseada, Makoto	J0112		
Ohno, Kazuaki	0507			Owen, G. Norman	0775		
Ohno, Sohei	J0061			Ozaki, M.	C0051		
Ohnuma, Masaaki	C0023			Ozaki, Masakazu	D0040		
Ohseika, Kenji	J0177				0186,	0222	
Ohseiki, Yonihiko	0013,	0025,	0030,				
	0031,	0039,	0202	Pacheco, Benito M.	J0173		
Ohshima, Kazuya	0509,	0541,	J0002,	Parmelee, Richard A.	J0179		
	J0013,	J0079,	J0190	Patel, Virendra C.	0174		
Ohta, M.	H0029			Pask, Un Seop	0517		
Ohta, Masataka	0515			Penzien, J.	0185,	0459	
Ohta, T.	C0095			Perez, Virgilio	0041,	0317	
Ohta, Yutaka	0211			Perkins, D.M.	0084		
Ohzani, Keiichi	0215,	0224,	0229,	Peterka, J.A.	0349		
	0261,	0285,	0327,	Pezeshk, Shahram	J0124		
	0354,	0401,	0455,	Pfrang, Edward O.	0051,	0275	
	0469,	0502,	0531,	Pham, Mai G.	C0010		
	0577,	0636,	0647,	Phan, Long T.	0780		
	0664,	0695,	0730,	Phippe, Maryann T.	0739,	C0086,	F0036
	0768,	E0004		Pinckham, Clarkson W.	0385		
Ohzani, S.	C0058,	C0066,	D0014,	Pisfker, George	0076		
	D0035,	D0043		Plechnik, Joseph M.	C0010,	C0020,	C0033
Ohzuka Kazuyuki	0277			Podolny, Jr., Walter	0141,	0499	
Ohzuka, Michio	0247,	0280		Popov, Egor P.	C0011		
Ohwada, Y.	D0044			Porcella, Ronald L.	0318,	0351	
Ohya, Satoru	H0004			Potter, Thomas D.	0173,	0206	
Ohyagi, Norio	0570,	0768		Preuss, Jane	I0020		
O-iishi, Tsuguro	J0123			Priestley, M.J. Nigel	0784,	F0027,	J0101,
Oka, Yoneo	J0141				J0106,	J0165,	J0218,
Okada, Hisashi	0345,	0362,	0380,		J0222,	J0227	
	0399,	0527,	0574,	Prince, Jorge	0605		
	0635,	0646,	0750				
Okada, Masami	0629,	I0021					
Okada, Tsuneo	0563,	0720,	C0058,	Quass, Roberto	0605		
	C0059,	C0060,	C0085,				
	C0095,	D0005,	D0023,	Ramsay, D.	J0118		
	D0042,	D0044		Randin, Frank	0538		
Okahara, Michio	0156,	0194,	0256,				
	0332,	0617,	0669,				

Raufaste, Jr., Noel J.	0163, 0676	0171,	0235,	Sato, Eisaku	J0154		
Reed, D.A.	0379			Sato, Hiroshi (PWRI)	0293, 0397, 0525, 0644, J0041, J0092,	0348, 0438, 0571, 0679, J0076, J0125	0383, 0480, 0611, 0713, J0090,
Reinorn, A.M.	0763						
Reinhold, Timothy A.	0254,	0323		Sato, Hiroshi (GSI)	0208,	0212,	0247
Reitherman, Robert	0790			Sato, Kaoru	0037		
Raymond, Dominique	10022			Sato, Masatoshi	0362		
Richardson, Alan T.	0726			Sato, Tadanobu	F0015,	F0031	
Richardson, Edward	F0024,	0661		Sato, Takashi	J0229		
Richardson, James	0440,	0501		Sato, Yuji	F0017		
Ricles, J.M.	J0165			Sato, Yukio	0509,	0541	
Roberts, James E.	F0028			Savage, Michael G.	0713,	J0075	
Robinson, R. Richard	0124			Sawada, Kenkichi	0039,	0057,	0074,
Roeber, Charles W.	J0200				0148,	0189,	0223
Roehm, Louis H.	0726			Sawashishi, T.	F0012		
Rojahn, Christopher	0146,	0177,	0422	Sawanobori, T.	C0098		
Roper, William E.	0694,	0716,	0774,	Saya, Shoichi	0742,	H0017	
	0783			Sayed, Hasham S.	J0156		
Routel, M.S.L.	D0022			Scatzl, John B.	0162,	0187,	0269,
Row, M. Lee Wesley	0697				0305,	0306,	0466,
Russell, Larry R.	0321				0778,	J0035	
				Scanlan, Robert H.	0165,	0252,	0379,
Saadeghvaziri, M.A.	J0054,	J0070,	J0169		0524,	0572,	0612,
Sabadell, J. Eleonora	0681				J0040,	J0046,	J0077,
Saeid, Mitsuaki	J0102				J0089,	J0127,	J0145,
Saeid, Shoichi	0414,	0456,	0504,		J0195		
	0653,	J0014,	J0105,	Scawthorn, Charles	0519,	0740	
	J0161			Schaefer, Joseph T.	0483		
Saidi, Mehdi	0440,	J0086,	J0112,	Schamber, Robert A.	J0108		
	J0203,	J0209		Scheffey, Charles F.	0006,	0027,	0054,
Saito, Fumio	0555				0063,	0294	
Saito, Kanji	0362			Schnepf, Daniel	J0151		
Saito, Toru	J0088			School, Roger E.	C0051		
Saito, Yoshiyuki	J0196			Schutz, Donald M.	0200		
Sakagami, Yoshijiro	0316,	0343		Sead, H. Bolton	0548		
Sakaguchi, Osamu	0392			Selbie, Frieder	J0101,	J0106,	J0137,
Sakaino, Norio	0507				J0165,	J0218,	J0222,
Sakate, Kenji	10023				J0227		
Sakurai, Jun	J0177			Selno, Masaaki	0756		
Salomone, L.A.	0520			Seld, M.	C0068		
Sandberg, Harold R.	J0179			Seliguchi, H.	C0034,	C0035	
Sanders, David H.	J0149,	J0203		Sekimoto, Hiroshi	J0226		
Sanders, Jr., Wallace W.	J0104			Sekiya, Tomihiko			
Santo, Tetsuo	0099,	0142,	0143,	Seko, Ikuji	0683		
	0181			Selna, Lawrence G.	0361,	0498,	J0025,
Sasaki, Iwao	0756				J0058,	J0118	
Sasaki, Nobuyuki	J0168			Senco, Katsumi	0500,	0554	
Sasaki, Takehiko	J0107			Shaffer, Wilson A.	0717		
Sasaki, Yasushi	0046,	0300,	0346,	Shah, A.H.	0542		
	0358,	0404,	0412,	Shao, Lawrence C.	0201		
	0416,	0450,	0500,	Sharma, S.K.	0120		
	0508,	0520,	0549,	Sharpe, Roland L.	0257,	0294,	0339
	0554,	0561,	0579,	Shaw, Warren A.	0010,	0118	
	0586,	0602,	0638,	Shibasaki, Ryoosuke	J0105		
	0660,	0683,	0701,	Shibata, Akenori	C0038,	0448	
	0721,	0742,	0759,	Shiga, Minori	0420,	0454,	0533,
	C0047,	F0023	H0003,		0580		
	H0009,	H0011,	H0014,	Shiga, Toshio	C0038,	0448	
	H0015,	H0017,	J0071,				
	J0119						

Shimazu, Akomi	0621			Sugita, Hideki	F0026		
Shimazu, Takao	0549,	0666,	0754,	Sugiyama, Isao	J0134,	J0168	
	H0003			Sugiyama, Monihisa	J0063		
Shimizu, Hideyuki	0766			Sullivan, Kenneth F.	0795		
Shimizu, K.	C0056,	D0024		Sunaga, Hiroaki	0418		
Shimizu, Takao	0386			Suwa, Akira	0085,	0130,	0208,
Shimizu, Y.	C0019,	C0045,	C0064,		0210		
	C0084,	C0096,	C0097	Suzuki, Hideyo	F0034		
Shimizu, Yoshihisa	H0022			Suzuki, Kichio	H0012		
Shinohara, H.	D0014			Suzuki, Shin-ichi	H0026		
Shinohara, Hiroshi	0592,	0617,	0669,	Suzuki, Shuichi	J0074		
	J0052,	J0085,	J0123	Suzuki, Tadanobu	F0033		
Shinozuka, Masakazu	0164			Sykora, David W.	0771		
Shinozuka, Masanobu	0546,	0619,	0740,				
	0763,	F0001,	F0029	Tabata, Isao	0279		
Shiohara, Hitoshi	0718,	0743,	0785,	Taba, Ichiro	0277		
	0786,	0787,	0788	Tada, Hirohiko	0525,	0541,	0571,
Shioi, Yukitake	0218,	0256,	0290,		0592,	J0041,	J0052
	0332,	0333,	0364,	Tada, Kazuo	J0074,	J0094	
	0386,	0776,	C0009	Tada, Yasuo	0016,	0028	
Shiono, Keiji	0211			Taguchi, Jiro	0721		
Shiozaki, Takeyoshi	J0212			Taguchi, Keiji	0617,	0669,	0722,
Shirataki, Satoru	0382				J0085,	J0166	
Shoji, Yasuhiro	J0142			Tajima, Minoru	0247		
Short, Stephen A.	E0011,	E0012		Takada, Shiro	F0012,	F0039	
Shuto, Nobuo	I0012,	I0015		Takagi, Shoji	0722,	0776,	J0136,
Siddharthan, Raj	J0203				J0166,	J0199,	J0215
Sigmund, Vladimir	0568			Takahara, Kaname	0496		
Simku, Emil	0123,	0169,	0174,	Takahashi, Hiroshi	0208,	0211,	0309,
	0278,	0321,	0435,		0375,	0455,	0468,
	0575				0469,	0477,	J502,
Singh, Shri Krishna	0605				0517,	0528,	0545,
Smith, Charles E.	0687,	0714,	0757		0557,	0567,	0570,
Smith, H. Alison	0765				0595,	0628,	0636,
Smith, Robert J.	0453,	0534,	0581,		0647,	0664,	0695
	0620			Takahashi, Hiroto	J0072		
Snyder, Gary M.	F0035			Takahashi, Katsumi	0279		
Soma, Seiji	0020,	0059,	0078,	Takahashi, Kazuyuki	0579		
	0107,	0135,	0172	Takahashi, Masakazu	H0011		
Soong, T.T.	0738,	0763		Takahashi, Masashi	J0072		
Sozen, Meie A.	C0081,	D0032,	0607	Takahashi, Michio	0470,	J0008	
Speeth, Mark G.	0273			Takahashi, Noboru	J0132,	J0148,	J0197
Spaine, Lawrence F.	J0024,	J0039		Takahashi, Stanley K.	0118,	0270,	0363,
Sparks, Peter R.	0748,	0751,	0794		0372,	0381,	0415,
Spartz, Cheryl A.	J0145				0451,	0559	
Stacy, S.T.	H0016			Takasaki, Koichi	0472,	C0073,	C0074,
Steinbrugge, Karl V.	0232				C0075,	C0077	
Stephens, J.	D0020			Takano, Haruo	J0126,	J0175	
Stepp, J.C.	0065			Takeda, Atsushi	0477,	0595	
Stone, William C.	0585,	0603,	0654,	Takeda, Katsuaki	J0045		
	0772,	J0084,	J0116	Takeda, Mitsuko	0445		
Stroh, Steven L.	J0062,	J0155		Takeda, T.	C0067,	C0068	
Stuart, Richard J.	0201			Takai, Yoshimichi	0555		
Stumpf, R.P.	0594			Takao, Minoru	0556		
Subbaramayya, I.	0322			Takeuchi, Kyohide	0107,	0133	
Suda, Ken	0107,	0135		Takeuchi, Masahiko	J0129		
Sudo, Ken	0247,	0452,	0513	Takeuchi, Takahumi	J0146		
Sugano, Shunsuke	C0002,	C0021,	C0050,	Takiguchi, K.	C0058		
	C0062,	C0070,	C0078	Takita, M.	D0011		
Sugimura, Yoshihiro	0291,	0335,	0446,	Takizawa, Akira	0504,	0592,	J0052
	0537,	0624					

Utsube, Tatsuo 0086, 0196, 0213, 0282, 0407, 0539, 0729, 0775

Vaidya, Mahikant R. 0620

Vilano, Andy 0530

Vrontinos, Spiros J0167, J0171

Wada, Katuya H0024, J0126, J0175

Wahl, R.E. H0030

Wakabayashi, Susumu 0178, 0216

Wakamatsu, Miiko H0004

Wakayama, Akihiko 0756

Wakasaki, Yasuhiko 0500

Waldner, H. Eugene J0135

Wang, Leon Ru-Liang 0366, 0619, F0019

Wagil, O. J0115, J0139, J0174

Wardlaw, Robert L. 0713, J0047, J0075, J0091

Warner, James C0003, C0028, C0048

Warrick, Richard E. 0038

Washita, Shuzo 0686

Watabe, Isao 0468

Watabe, Makoto 0025, 0031, 0039, 0066, 0087, 0127, 0144, 0161, 0164, 0202, 0217, 0245, 0262, 0264, 0280, 0297, 0319, 0320, 0335, 0338, 0342, 0389, 0392, 0394, 0395, 0417, 0431, 0434, 0452, 0465, 0479, D0021, 0470

Watanabe, Hideo J0201, J0228

Watanabe, Hiroshi D0025

Watanabe, K. 0507

Watanabe, Kazuo F0002

Wan, Y.K.

Warner, Stuart D. 0460, J0027, J0059, J0117, J0172

Werner, William J. 0056, 0094, 0128

Westerink, Joannes J. 0783

White, Davis E. 0387

White, Richard N. 0285, 0295, 0359, 0552, D0001, D0036

Wideman, W. C0020

Wight, James K. 0265, 0396, 0427

Williams, D. 0185

Wille, L.A. C0053

Wilson, John C. J0095

Wiqf, Terry J. J0104

Wong, K.C. 0542

Woodward, Kyle A. 0370, 0538

Wright, Richard N. 0102, 0275, 0676, 0710

Wright, Stephen 0658

Wyllie, Jr., Loring A. C0001, C0026

Xie, J. J0093

Yagi, K. C0098

Yagi, Koji F0033, H0032

Yahagi, Kaname J0081, 0193

Yamada, H. J0075

Yamada, Kazuhiko J0097

Yamada, Kazuhiko H0018

Yamada, Y. J0230

Yamagata, Mamoru J0020

Yamaguchi, Nobuyoshi 0640, 0750, 0121

Yamakawa, Asao 0210

Yamakawa, Norio J0010

Yamaki, Shigeru 0211

Yamamoto, Fumio 0383, 0397, 0438, 0467, 0480

Yamamoto, Kunio 0756

Yamamoto, Masahiko J0097

Yamamoto, Norio J0204

Yamamoto, Satoshi C0069, C0092, C0093, C0094, C0096, C0097

Yamamoto, Y. 0421

Yamamoto, Yoji 0046, 0069, 0112, 0300, H0011

Yamanaka, H. C0061

Yamanouchi, Hiroyuki 0264, 0394, 0431, 0465, 0512, 0523, 0551, 0600, 0642, 0655, 0732, 0733, 0770, C0004, C0055, C0074, D0021, D0028

Yamashita, Takeshi J0138

Yamashita, Yoshihiro 0378

Yamauchi, Hiroshi J0088, J0098

Yamazaki, F. F0001

Yamazaki, Kazuo J0061

Yamazaki, Yutaka 0149, 0264, 0389, 0434, 0477, 0495, 0503, 0518, 0550, 0598, 0633, 0673, 0704, 0720, C0025, C0049, C0063, D0045

Yancay, Charles W.C. 0705

Yang, R. J0165

Yanuma, Takashi J0005

Yao, J.T.P. D0003, D0018, D0020

Yashinsky, Mark J0164, J0191

Yasuda, Masahiko 0752, J0068, J0074, J0144

Yasuda, Nario 0507, 0533, 0580, 0618, 0667, 0685, 0728, 0762, 0777

Yasuda, Susumu H0013, H0019, H0022, H0028

Yasue, Tomomitsu 0412, C0047

Yasuhara, Kazuya H0021

Yasui, Masayuki J0087

Yasumasa, Motoi 0700

Yeh, Harry H0013

Yan, Ben T.	C0091		
Yasui, Felix Y.	0334,	0405,	0603
Yasuyama, Koichi	0081,	0104,	0140,
	0182,	0207,	0525,
	0571,	0611,	0644,
	0679,	0713,	0752,
	J0041,	J0076,	J0090,
	J0092,	J0125,	J0142,
	J0198		
Yasuyama, M.	C0027		
Yasuyama, Yasuhisa	0630		
Yano, T.	C0055		
Yamazawa, Akira	0553		
Yoon, Sung B.	I0009		
Yoshida, H.	C0061		
Yoshida, Hiroshi	J0017		
Yoshida, Takeshi	0497,	0547,	0631,
	0675,	0706,	J0055,
	J0083,	J0122	
Yoshida, Yoshitaka	J0208		
Yoshikawa, Masaki	H0014		
Yoshikawa, Osamu	J0134		
Yoshimatsu, Hiroyuki	0554		
Yoshimi, Seitaro	0660		
Yoshimura, Marabu	0330,	0393,	0395,
	0428,	0429,	0448,
	0479,	0494,	0563,
	0568,	0657,	0665,
	C0059,	D0013,	D0042
Yoshimura, Naoki	0513		
Yoshitaka, Ryoichi	0762		
Youd, T. Leslie	0652,	H0006	
Yukawa, Yasuyuki	J0182		
Yuki, Masahiro	J0177		
Yusawa, Satoshi	0480		
Zacher, E.	0344		
Zan, S.J.	J0075		
Zelinski, Ray J.	J0057		
Zerva, A.	F0002		
Zmitc', Dusan S.	0528		

NIST Technical Publications

Periodical

Journal of Research of the National Institute of Standards and Technology - Reports NIST research and development in those disciplines of the physical and engineering sciences in which the Institute is active. These include physics, chemistry, engineering, mathematics, and computer sciences.

Papers cover a broad range of subjects, with major emphasis on measurement methodology and the basic technology underlying standardization. Also included from time to time are survey articles on topics closely related to the Institute's technical and scientific programs. Issued six times a year.

Nonperiodicals

Monographs - Major contributions to the technical literature on various subjects related to the Institute's scientific and technical activities.

Handbooks - Recommended codes of engineering and industrial practice (including safety codes) developed in cooperation with interested industries, professional organizations, and regulatory bodies.

Special Publications - Include proceedings of conferences sponsored by NIST, NIST annual reports, and other special publications appropriate to this grouping such as wall charts, pocket cards, and bibliographies.

Applied Mathematics Series - Mathematical tables, manuals, and studies of special interest to physicists, engineers, chemists, biologists, mathematicians, computer programmers, and others engaged in scientific and technical work.

National Standard Reference Data Series - Provides quantitative data on the physical and chemical properties of materials, compiled from the world's literature and critically evaluated. Developed under a worldwide program coordinated by NIST under the authority of the National Standard Data Act (Public Law 90-396). NOTE: The Journal of Physical and Chemical Reference Data (JPCRD) is published bimonthly for NIST by the American Chemical Society (ACS) and the American Institute of Physics (AIP). Subscriptions, reprints, and supplements are available from ACS, 1155 Sixteenth St., NW., Washington, DC 20056.

Building Science Series - Disseminates technical information developed at the Institute on building materials, components, systems, and whole structures. The series presents research results, test methods, and performance criteria related to the structural and environmental functions and the durability and safety characteristics of building elements and systems.

Technical Notes - Studies or reports which are complete in themselves but restrictive in their treatment of a subject. Analogous to monographs but not so comprehensive in scope or definitive in treatment of the subject area. Often serve as a vehicle for final reports of work performed at NIST under the sponsorship of other government agencies.

Voluntary Product Standards - Developed under procedures published by the Department of Commerce in Part 10, Title 15, of the Code of Federal Regulations. The standards establish nationally recognized requirements for products, and provide all concerned interests with a basis for common understanding of the characteristics of the products. NIST administers this program as a supplement to the activities of the private sector standardizing organizations.

Consumer Information Series - Practical information, based on NIST research and experience, covering areas of interest to the consumer. Easily understandable language and illustrations provide useful background knowledge for shopping in today's technological marketplace.

Order the above NIST publications from: Superintendent of Documents, Government Printing Office, Washington, DC 20402.

Order the following NIST publications - FIPS and NISTIRs - from the National Technical Information Service, Springfield, VA 22161.

Federal Information Processing Standards Publications (FIPS PUB) - Publications in this series collectively constitute the Federal Information Processing Standards Register. The Register serves as the official source of information in the Federal Government regarding standards issued by NIST pursuant to the Federal Property and Administrative Services Act of 1949 as amended, Public Law 89-306 (79 Stat. 1127), and as implemented by Executive Order 11717 (38 FR 12315, dated May 11, 1973) and Part 6 of Title 15 CFR (Code of Federal Regulations).

NIST Interagency Reports (NISTIR) - A special series of interim or final reports on work performed by NIST for outside sponsors (both government and non-government). In general, initial distribution is handled by the sponsor; public distribution is by the National Technical Information Service, Springfield, VA 22161, in paper copy or microfiche form.