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SEISMOLOGICAL BULLETIN

IGY SUPPLEMENT

November, 1957

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COAST & GEODETIC SURVEY
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U. S. DEPARTMENT OF COMMERCE

Lewis L. Strauss, Secretary

COAST AND GEODETIC SURVEY—WASHINGTON

H. Arnold Karo, Director

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National Oceanic and Atmospheric Administration

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The instrumental results tabulated in this supplement are from the following seismographic stations which are located in three regions.

Antarctic

Byrd (BYRD)

South Pole (SP)

Arctic

Thule (THULE)
Greenland

Pacific

Guam (GUAM)
Mariana Islands

Koror, (KOR)
West Caroline Islands

Truk (TRUK)
East Caroline Islands

These stations were established by the Coast and Geodetic Survey for the IGY and will provide additional control for locating epicenters of teleseisms in regions inadequately covered by previously existing stations. They will also provide data for studies in regional seismicity, crustal structure and other pertinent earth science problems.

Date and Station		Phase (GCT)
		h m s
Nov. 1		
SP	eP	19 16 42
Nov. 1		
SP	iP	23 27 46
Nov. 2		
SP	eP'	01 37 47
	iP'	38 04
Nov. 2		
SP	iP	06 29 17
Nov. 2		
GUAM	iP	16 21 22
	iS	25 05
KOR	iP	16 18 49
	iS	20 09
	eT	27 11
Nov. 2		
BYRD	eP	18 42 00
	i	42 27
	i	42 46
	e(S)	51 05
	iS	51 35
GUAM	iP	18 37 18
	iPP	38 48
	i	39 09
	i	39 33
	iPcP	39 49
	eS	42 36
	iL	45 24
KOR	iP	18 37 48
	iPcP	40 02
	eS	43 33
Nov. 3		
SP	eP'	02 43 06
	iP'	43 15
Nov. 3		
BYRD	eP	10 37 32
	eS	47 56
GUAM	iP	10 29 28
	i	30 42
	eS	33 06
KOR	eP	10 29 10
SP	eP	10 37 09
	iP	37 23
TRUK	eP	10 28 30
	eS	31 19
Nov. 3		
BYRD	eP	11 02 50
SP	iP	11 03 38
Nov. 3		
SP	eP	11 08 33
Nov. 3		
BYRD	eP	11 27 06
		h m s
BYRD	eS	11 37 35
GUAM	iP	11 19 08
	i	19 36
	eS	22 59
KOR	eP	11 18 53
SP	eP	11 27 02
TRUK	eP	11 18 11
Nov. 3		
KOR	eP	12 49 09
Nov. 3		
GUAM	iP	16 12 08
	iS	12 33
Nov. 3		
KOR	eP	13 42 02
Nov. 3		
KOR	iP	20 12 38
Nov. 3		
BYRD	iP	22 50 10
	e	59 44
SP	iP	22 57 18
Nov. 4		
SP	eP'	02 49 56
	e	52 03
Nov. 4		
SP	eP	11 08 10
Nov. 4		
BYRD	eP	13 56 51
GUAM	iP	13 48 35
KOR	eP	13 46 36
SP	iP	13 56 25
	i	56 35
TRUK	eP	13 48 46
Nov. 4		
SP	iP	16 16 19
Nov. 4		
SP	eP'	20 36 30
	iP'	36 40
Nov. 5		
GUAM	eP	00 38 48
	eS	42 16
KOR	eP	00 37 07
	eS	39 12
Nov. 5		
BYRD	eP	04 04 30
SP	iP	04 04 46
		h m s
Nov. 5		
GUAM	iP	09 15 57
	iS	16 03
TRUK	eP	09 17 51
	eS	19 28
Nov. 5		
BYRD	eP	10 05 16
	epP	07 15
GUAM	iP	10 00 40
	ipP	02 24
	iPcP	02 51
	isP	03 33
	iScS	09 48
KOR	eP	10 01 12
	ipP	03 03
SP	iP	10 05 23
	ipP	07 38
	iP'P'	32 49
Nov. 5		
BYRD	eP	11 31 24
GUAM	iP	11 23 27
KOR	eP	11 23 17
	iPcP	27 08
SP	iP	11 31 18
Nov. 5		
GUAM	iP	13 56 54
	iS	57 12
	iL	57 15
KOR	iP	13 58 58
Nov. 6		
BYRD	eP	00 52 20
KOR	eP	00 46 54
TRUK	eP	00 44 54
	iS	47 10
	eL	47 28
Nov. 6		
BYRD	eP	03 14 33
KOR	iP	03 05 37
SP	iP	03 14 09
Nov. 6		
BYRD	eP	05 08 51
SP	iP	05 09 27
	iPcP	09 56
	epP	10 14
Nov. 6		
BYRD	eP	06 15 10
SP	iP	06 14 39
		h m s
Nov. 6		
BYRD	eP'	13 32 13
KOR	iP	13 20 42
SP	eP'	13 32 11
Nov. 7		
BYRD	eP	02 05 36
SP	iP	02 04 34
	i	05 11
Nov. 7		
SP	iP	03 09 49
Nov. 7		
SP	eP'	04 34 50
	iPP	38 16
Nov. 7		
BYRD	eP	06 27 10
	eS	31 14
SP	eP	06 28 27
	iP	28 30
	ePcP	30 18
Nov. 7		
KOR	eP	16 05 59
SP	iP	16 08 02
	i	10 05
Nov. 7		
GUAM	iP	16 54 44
	iS	55 52
Nov. 7		
KOR	iP	21 31 33
Nov. 8		
KOR	eP	02 51 36
SP	iP	02 58 55
	i	59 21
TRUK	eP	02 49 38
	iS	51 52
	eL	51 58
Nov. 8		
KOR	iP	06 20 48
	iS	23 08
SP	iP	06 30 34
	ePP	34 02
Nov. 8		
THULE	eP	09 13 34
	i	13 49
Nov. 8		
SP	iP	10 11 29
Nov. 8		
KOR	eP	18 43 32
SP	eP	18 52 47

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Date and Station		Phase (GCT)
		h m s
Nov. 9		
SP	eP'	06 36 39
THULE	iP	06 24 35
Nov. 9		
SP	iP	08 05 34
Nov. 9		
SP	iP	15 51 54
Nov. 9		
SP	iP	17 02 05
	e	02 32
Nov. 9		
SP	iP	19 23 00
Nov. 9		
SP	eP	22 28 41
Nov. 9		
THULE	eP	22 17 12
Nov. 10		
SP	eP'	00 15 02
	iP'	15 08
	e(PP)	17 41
Nov. 10		
GUAM	eP	02 28 55
	i(S)	27 15
Nov. 10		
GUAM	iP	02 31 17
	iS	31 53
Nov. 10		
BYRD	eP	02 48 46
	iS	58 59
GUAM	eP	02 41 37
KOR	iP	02 41 55
	iPP	42 32
	i	45 38
	eS	46 10
	eL	48 44
SP	iP	02 48 49
	ePP	52 14
TRUK	eP	02 39 59
	i	40 07
	eS	42 47
	eL	43 14
	eT	53 54
Nov. 10		
SP	iP	03 07 13
Nov. 10		
BYRD	iP	03 56 13
	iS	04 06 26
GUAM	iP	03 48 54
KOR	eP	03 49 21
	iPP	49 56
	e(S)	53 18
KOR	eL	03 56 26
SP	eP	03 56 15
TRUK	eP	03 47 27
	iP	47 37
	eS	50 10
	eL	51 15
	eT	04 01 20
Nov. 10		
KOR	iP	04 34 53
	iS	35 11
	iL	35 14
Nov. 10		
GUAM	eP	05 03 50
	iS	04 26
Nov. 10		
BYRD	eP	05 38 23
	eS	46 41
SP	iP	05 38 59
Nov. 10		
BYRD	eP	06 01 33
	eS	12 00
GUAM	iP	05 53 35
	iS	57 10
KOR	iP	05 53 19
	eS	56 41
SP	eP	06 01 27
TRUK	eP	05 52 31
	iP	52 37
	eS	55 14
	eL	06 00 16
	eT	04 16
Nov. 10		
SP	iP	07 52 10
Nov. 10		
GUAM	iP	08 30 51
THULE	eP	08 37 06
Nov. 10		
KOR	eP	08 48 25
TRUK	eP	08 46 36
Nov. 10		
GUAM	iP	09 45 29
Nov. 10		
BYRD	eP	10 34 16
SP	eP	10 34 49
THULE	eP	10 32 20
	i	32 34
Nov. 10		
TRUK	iP	12 27 19
Nov. 10		
SP	eP	16 49 23
Nov. 10		
KOR	iP	18 06 22
SP	iP	18 14 31
Nov. 10		
BYRD	eP'	19 39 09
	ePP	41 05
GUAM	iP	19 24 55
	iS	28 52
KOR	iP	19 25 55
	i	26 17
SP	eP'	19 39 05
	iP'	39 10
	iPP	40 55
THULE	eP	19 31 07
TRUK	eP	19 26 14
Nov. 10		
GUAM	iP	19 35 28
SP	eP'	19 50 26
THULE	eP	19 41 30
Nov. 10		
GUAM	iP	19 58 01
Nov. 10		
SP	eP'	20 12 08
Nov. 10		
SP	iP'	22 33 58
	i	34 30
Nov. 11		
GUAM	iP	02 00 14
KOR	eP	02 01 58
Nov. 11		
SP	iP	06 34 08
	i	34 14
Nov. 11		
GUAM	eP	09 07 21
	iS	07 38
Nov. 11		
SP	iP	11 38 45
Nov. 11		
KOR	eP	11 46 06
	eS	47 35
SP	eP	11 57 39
Nov. 12		
THULE	iP	00 12 52
Nov. 12		
BYRD	eP	01 44 13
GUAM	eP	01 36 17
KOR	eP	01 36 16
SP	iP	01 44 13
	i	44 23
TRUK	eP	01 34 59
	i	35 09
Nov. 12		
GUAM	iP	01 56 08
	iS	56 41
Nov. 12		
SP	iP	02 23 11
	i	23 38
TRUK	eP	02 13 54
	iS	16 08
Nov. 12		
SP	iP	04 26 45
Nov. 12		
SP	iP	06 54 44
Nov. 12		
BYRD	eP	09 46 34
KOR	iP	09 37 46
SP	iP	09 46 15
TRUK	eP	09 39 46
Nov. 12		
SP	iP	15 39 11
Nov. 12		
SP	eP	15 58 11
Nov. 12		
SP	iP	17 12 28
Nov. 12		
SP	eP	18 30 17
	i	30 30
Nov. 13		
KOR	iP	01 10 31
SP	eP	01 17 25
Nov. 13		
GUAM	iP	01 44 55
	iS	45 10
Nov. 13		
BYRD	iP	17 32 01
	iS	39 33
	eL	44 30
GUAM	eP	17 32 16
KOR	iP	17 32 47
	iPcP	33 21
	eS	41 00

Date 1958	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Feb.	h m s	°	°	
22	13 21 48*	50½ N.	175 W.	Andreanof Islands, Aleutian Islands.
22	17 05 00*	51½ N.	174½ W.	Andreanof Islands, Aleutian Islands.
23	00 24 34*	6 S.	153 E.	New Britain-Solomon Islands region. Felt at Ulamona.
23	01 22 49*	52 N.	175 W.	Andreanof Islands, Aleutian Islands.
23	08 14 48*	27½ S.	63 W.	Santiago del Estero Province, Argentina. h about 600 km.
23	09 12 20*	28½ N.	139½ E.	Bonin Islands region. h about 400 km.
23	10 06 23*	20½ N.	120½ E.	Batan Islands aftershock.
23	10 47 40*	24 N.	141½ E.	Volcano Islands.
23	14 15 10*	34½ N.	137½ E.	Near south coast of Honshu, Japan.
24	07 58 59*	51½ N.	173 W.	Andreanof Islands, Aleutian Islands.
24	12 27 06*	45 N.	99 E.	Outer Mongolia.
24	21 25 25*	15½ S.	172½ W.	Tonga Islands region.
25	01 56 40*	51½ N.	179½ E.	Rat Islands, Aleutian Islands.
25	07 27 18*	52½ N.	170½ W.	Fox Islands, Aleutian Islands.
25	14 56 20*			Northern Sumatra.
25	15 02 08*	6 S.	151½ E.	New Britain.
26	00 17 56*	3 S.	152½ E.	New Ireland. h about 300 km.
26	11 35 29*	31½ N.	141½ E.	South of Honshu, Japan.
26	16 50 46*	50 N.	155½ E.	Kurile Islands.
26	17 18 56*	41 N.	143½ E.	Off south coast of Hokkaido, Japan.
27	23 27 49*	21 N.	120 E.	Batan Islands aftershock.
28	09 54 53*	27 N.	44 W.	Mid-Atlantic Ocean.
28	16 41 57*	11 N.	122½ E.	Panay, Philippine Islands.

Date and Station		Phase	(GCT)
Feb. 1			h m s
COL		iP	00 21 52
EUR		iP	00 25 41
RC		eP	00 26 10
TUC		eP	00 26 40
Feb. 1			
HH		iP	00 32 57
Feb. 1			
COL		eP	02 43 32
		eS	44 50
		eL	45 00
EUR		eP	02 47 45
HH		eP	02 46 38
RC		eP	02 48 20
SIT		eP	02 43 12
		i	43 24
		eS	44 04
		eL	44 25
Feb. 1			
EUR		eP	05 51 54
HH		e(P)	05 51 23
Feb. 1			
HH		iP	09 27 09
		i	28 01
Feb. 1			
RC		e(P)	10 14 57
Feb. 1			
RC		e(P)	11 34 45
		e	35 39
		e	39 21
Feb. 1			
EUR		iP	13 40 40
HH		iP	13 40 50
SJ		iP	13 33 18
		eS	33 40
		eL	33 44
TUC		eP	13 39 55
Feb. 1			
BH		iP	16 11 55C
BOZ		eP	16 19 25C
BUT		eP	16 19 31C
COL		iP	16 22 23C
		i	22 56
		iS	32 21
		eSS	37 48
		eL	42 14
COLU		iP	16 16 44C
EUR		iP	16 19 14C
HONO		e(P)	16 22 26
HH		iP	16 19 49C
		i	20 13
		i	20 37
		ePKKP	38 18
		eP'P'	49 56
KIP		e(P)	16 22 19
		eP	22 23
RC		iP	16 18 49C
		e	25 46
		e	29 15
		eL	38 27
SLC		eP	16 19 03D
SJ		iP	16 15 02N,E
SIT		eP	16 21 34
TUC		eP	16 18 12D
		e	19 35
		i(ScP)	23 11
		iS	24 35
		eL	28 01
UK		eP	16 19 48D
WASH		iP	16 17 25C
		e(S)	24 13
		i	25 55
		eL	29 37
Feb. 1			
BH		iP	18 04 23C
BC		eP	18 11 18D
BOZ		iP	18 11 51C
BUT		eP	18 11 58
COL		iP	18 14 47C
COLU		iP	18 09 10C
EUR		iP	18 11 39
		eP'P'	42 17
HH		iP	18 12 15C
		eP'P'	42 29
KIP		eP	18 14 54
SLC		eP	18 11 26C
SJ		iP	18 07 28N,E
SIT		eP	18 13 59C
TUC		iP	18 10 39C
		ePcP	12 36
		iS	17 03
		eL	20 25
UK		e(P)	18 12 22
Feb. 1			
COL		eP	19 43 45
HH		e(P)	19 45 37
Feb. 1			
HH		e(P)	20 42 36
Feb. 1			
BH		iP	20 47 27C
BC		eP	20 54 24C
BOZ		iP	20 54 59D
		i	55 07
BUT		eP	20 55 05C
COL		iP	20 57 54C
		iS	21 07 52
		eL	19 52
COLU		iP	20 52 17C
EUR		iP	20 54 47C
HH		iP	20 55 22C
		i	55 31
		i	55 48
		iPP	57 36
		eP'P'	21 25 36
SLC		eP	20 54 34C
SJ		iP	20 50 33N,E
		eS	54 37
SIT		eP	20 57 05C
		i	57 13
TUC		iP	20 53 46D
		ePcP	55 37
		ePPP	56 17
		eS	21 00 29
		eL	03 39
UK		e(P)	20 55 17
		e	55 26
Feb. 1			
HH		e(P)	21 16 24
Feb. 1			
HH		eP	21 56 44
Feb. 1			
COL		iP	22 12 44
EUR		iP	22 13 36
HH		e(P)	22 13 49
Feb. 2			
BC		eP	01 23 44
EUR		iP	01 24 17
HH		eP	01 25 19
TUC		eP	01 22 49
		eL	27 55
Feb. 2			h m s
BC		eP	02 43 39
HH		iP	02 44 36
		e	44 57
SLC		eP	02 43 48
SJ		eP	02 39 47
TUC		eP	02 43 00
		e	43 16
Feb. 2			
BC		eP	03 20 14
EUR		iP	03 20 46
HH		iP	03 21 48
		i	22 05
		e(PcP)	23 44
TUC		eP	03 19 19
		eS	22 01
		eL	24 23
Feb. 2			
BC		eP	03 31 44
EUR		iP	03 32 16
HH		eP	03 33 17
TUC		eP	03 30 48
		eL	35 55
Feb. 2			
HH		eP	04 34 20
TUC		eP	04 32 19
Feb. 2			
EUR		eP	04 40 01
HH		e(P)	04 41 02
Feb. 2			
BC		eP	04 44 04
COL		eP	04 48 49
EUR		iP	04 44 36
HH		iP	04 45 38
		i	45 55
		i	48 23
SLC		eP	04 44 30
SJ		eP	04 41 25
TUC		eP	04 43 09
		eL	48 12
Feb. 2			
BC		iP	08 22 34D
		i	22 47
BOZ		eP	08 22 08D
		i	22 20
BUT		eP	18 21 58C
		e	22 12

Date and Station		Phase (GCT)
Nov. 27		h m s
THULE	iP	03 17 19
	iPP	19 27
Nov. 27		
KOR	iP	03 23 07
	iS	24 27
	iL	24 36
TRUK	eP	03 26 34
Nov. 27		
SP	iP	08 46 32
Nov. 27		
BYRD	eP	14 07 09
SP	iP	14 07 47
THULE	eP	14 08 02
Nov. 27		
SP	iP	16 04 35
Nov. 27		
SP	iP	19 12 19
Nov. 28		
THULE	iP	03 19 42
	isPP	26 21
Nov. 28		
GUAM	eP	05 13 54
KOR	iP	05 11 27
	iS	12 50
	eL	13 47
THULE	iP	05 22 58
	ePP	26 51
TRUK	iP	05 15 04
Nov. 28		
GUAM	iP	06 27 12
	iS	27 23
Nov. 28		
SP	iP	11 56 05
Nov. 28		
BYRD	eP	21 01 38
KOR	eP	20 57 49
	eS	21 03 54
SP	eP	21 01 54
TRUK	iP	20 55 58
Nov. 28		
GUAM	iP	21 07 08
	iS	07 22
Nov. 28		
THULE	eP	09 30 01
Nov. 28		
BYRD	eP	17 52 05
	e(S)	57 59

Date and Station		Phase (GCT)
		h m s
GUAM	iP	17 54 18
KOR	eP	17 53 22
THULE	eP'	18 03 27
	iP'	03 34
	e(PP)	07 29
Nov. 28		
SP	eP	21 43 08
Nov. 29		
KOR	iP	21 52 55
Nov. 29		
BYRD	eP	22 29 51
	ePcP	30 25
	epP	30 40
	iS	38 11
	eP'P'	58 42
	iP'P'	59 46
GUAM	iP'	22 39 07D
	epPP	43 43
	isPP	44 07
	i(SKS)	45 19
	iPPP	46 12
	iSKKS	48 14
	e(SKKP)	50 10
	iPS	53 23
	ipPS	54 14
	iSPP	55 12
	iSS	23 01 12
	i	02 03
	isSS	03 00
KOR	eP'	22 39 13C
	iP'	39 42
	epP'	40 52
	isP'	41 09
	i	41 42
	iPP	43 26
	e	44 12
	esPP	44 36
	eSKS	45 42
	iPPP	47 06
	ipPPP	47 50
	i	48 39
	eSKSP	53 04
	iPSKS	53 23
SP	eP	22 30 31
	epP	31 13
THULE	eP	22 32 51D
	iP	32 58
	ipP	33 43
	isP	34 00
	ePP	36 59
	iPP	37 08
	eSKS	43 07
	iS	43 55
	ipS	44 58
	eSP	45 11
	esS	45 22
	ePS	45 40
	iPKKP	49 41
	iP'P'	57 48

Date and Station		Phase (GCT)
		h m s
TRUK	iP'	22 38 46
	iPP	41 59
	i(SKKP)	50 11
Nov. 30		
GUAM	iP	00 02 51
	iS	03 03
Nov. 30		
THULE	iP	17 45 49
Nov. 30		
GUAM	iP	19 49 52
Nov. 30		
KOR	eP	22 02 13

Date and Station	Phase (GCT)
	h m s

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