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SEISMOLOGICAL BULLETIN

IGY SUPPLEMENT

February, 1958

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COAST & GEODETIC SURVEY
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U. S. DEPARTMENT OF COMMERCE

Sinclair Weeks, 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
Feb. 1		
SP	eP	00 36 06
Feb. 1		
SP	eP'	03 01 56
	iP'	02 00
Feb. 1		
SP	eP	03 09 39
Feb. 1		
SP	iP	14 37 05
Feb. 1		
BYRD	iP	16 22 46D
	iS	33 06
	eL	44 54
KOR	eP'	16 29 52
SP	iP	16 23 22C
	eS	34 18
	e(SS)	39 40
Feb. 1		
BYRD	eP	18 15 12
	eS	25 30
	ePPS	26 51
KOR	eP'	18 22 18
SP	eP	18 15 47
	iP	15 48
	i	15 56
	ePP	19 16
	i	19 37
	i(PPP)	21 38
	eS	26 37
	ePKKP	33 07
Feb. 1		
KOR	eP	19 34 28
	eL	37 43
Feb. 1		
BYRD	iP	20 40 49
SP	iP	20 41 26
Feb. 1		
BYRD	iP	20 58 19
	e	21 00 30
	i	00 53
	eS	08 34
KOR	eP'	21 05 24
SP	iP	20 58 55
	i	59 02
	i	21 01 09
	ePP	02 34
	ePKKP	16 13
Feb. 1		
BYRD	eP	21 13 07
Feb. 1		
BYRD	eP	22 12 40
	eS	22 56

Date and Station		Phase (GCT) h m s
KOR	eP	22 05 48
SP	iP	22 12 42
TRUK	iP	22 03 56
	eS	06 44
Feb. 2		
BYRD	iP	02 47 32
SP	eP	02 48 08
Feb. 2		
BYRD	eP	04 49 11
Feb. 2		
SP	eP	08 29 33
Feb. 2		
BYRD	iP'	08 31 06
	ipP'	31 18
	iaP'	31 31
	ePP	33 54
	i	34 41
	i	35 06
KOR	eP	08 20 04
SP	eP'	08 31 05
	ipP'	31 19
	iaP'	31 32
	ePP	34 05
TRUK	eP	08 19 41
Feb. 2		
BYRD	iP	09 01 49
SP	iP	09 02 24
	i	02 31
Feb. 2		
SP	eP	11 33 36
Feb. 2		
SP	iP	15 00 24
Feb. 2		
SP	eP	15 57 53
Feb. 2		
SP	iP	17 00 06
Feb. 2		
SP	iP	17 47 35
Feb. 2		
GUAM	eP	20 57 43
Feb. 3		
SP	iP	00 58 28
Feb. 3		
BYRD	eP	08 35 56
	iP	36 00
SP	iP	08 36 31

Date and Station		Phase (GCT) h m s
Feb. 3		
TRUK	eP	11 07 04
	eS	08 26
Feb. 3		
SP	eP	14 15 54
Feb. 3		
SP	iP'	19 46 09
Feb. 4		
GUAM	eP	00 07 13
SP	iP	00 14 50
TRUK	iP	00 05 39
	eS	08 09
Feb. 4		
BYRD	iP	02 28 50
GUAM	eP	02 21 15
KOR	iP	02 19 25
Feb. 4		
TRUK	eP	04 36 29
Feb. 4		
BYRD	eP	05 06 44
Feb. 4		
BYRD	eP	06 11 02
Feb. 4		
BYRD	iP	12 52 51
GUAM	iP	12 45 41
TRUK	eP	12 44 11
Feb. 5		
BYRD	eP	02 44 13
	e(S)	47 15
	eL	48 20
SP	eP	02 45 40
Feb. 5		
BYRD	iP	04 03 05
SP	iP	04 03 22
Feb. 5		
BYRD	iP	04 43 27
SP	iP	04 43 40
Feb. 5		
BYRD	eP'	08 27 31
Feb. 5		
SP	eP	20 24 04
Feb. 5		
SP	eP	20 29 31
Feb. 5		
BYRD	iP	20 53 00

Date and Station		Phase (GCT) h m s
SP	eP	20 54 09
Feb. 6		
GUAM	eP	01 47 22
	i	47 39
Feb. 6		
BYRD	iP	16 09 40
	epP	10 36
	iS	17 23
GUAM	iP	16 09 15
SP	iP	16 10 15
	ipP	11 10
	iaP	11 43
	eS	18 17
	iP'P'	39 12
Feb. 6		
SP	eP	18 37 34
Feb. 7		
KOR	iP	00 39 50
SP	iP	00 45 42
Feb. 7		
BYRD	iP	01 20 01
GUAM	eP	01 20 14
SP	iP	01 20 33
	iPcP	21 21
	e(S)	28 20
	e(P'P')	49 07
TRUK	eP	01 18 48
Feb. 7		
BYRD	eP'	04 57 08
Feb. 7		
GUAM	iP	07 04 37
Feb. 7		
BYRD	iP	13 32 39
SP	iP	13 33 17
Feb. 7		
GUAM	iP	16 02 16
Feb. 7		
SP	eP	23 07 59
Feb. 7		
BYRD	eP'	23 42 41
	iPP	44 45
GUAM	iP	23 31 21
	eS	37 35
KOR	iP	23 30 47
	eS	36 35
SP	iP'	23 42 26
	ePKKP	52 27

Date and Station		Phase	(GCT)
			h m s
SP	eSKKP		23 56 09
TRUK	iP		23 32 33
Feb. 8			
SP	eP		01 46 22
Feb. 8			
SP	iP		02 43 50
Feb. 8			
SP	iP'		04 57 10
Feb. 8			
SP	iP		07 02 42
Feb. 8			
SP	iP		15 51 18
Feb. 8			
SP	iP		19 37 38
Feb. 8			
SP	iP		23 02 41
Feb. 9			
BYRD	iP		01 51 32
SP	iP		01 51 44
Feb. 9			
BYRD	eP		02 42 15
SP	eP		02 42 47
Feb. 9			
BYRD	eP		03 27 28
SP	iP		03 28 01
Feb. 9			
GUAM	iP		03 36 55
Feb. 9			
BYRD	eP		04 28 12
SP	iP		04 28 43
Feb. 9			
TRUK	iP		08 39 26
	iS		40 51
Feb. 9			
SP	iP'		09 49 47
TRUK	iP		09 41 28
Feb. 9			
SP	iP		11 48 38
Feb. 9			
GUAM	iP		22 34 33
	eS		38 48
KOR	eP		22 32 45
	iP		32 48
	eL		35 49

Date and Station		Phase	(GCT)
Feb. 9			h m s
SP	iP		23 14 21
Feb. 10			
GUAM	iP		14 45 44
BYRD	eP'		15 01 16
TRUK	eP		14 47 15
Feb. 10			
GUAM	iP		14 48 56
	iS		49 49
Feb. 10			
BYRD	eP		14 52 18
Feb. 10			
KOR	eP		19 24 54
	i		24 53
TRUK	e(P)		19 22 58
	eS		25 00
	eT		34 09
Feb. 10			
SP	iP		19 32 38
Feb. 11			
BYRD	eP		00 58 58
	e		01 01 07
SP	iP		00 58 19
TRUK	eP		00 54 38
Feb. 11			
BYRD	eP		06 13 08
Feb. 11			
BYRD	eP		12 56 53
SP	iP		12 57 27
Feb. 11			
SP	eP		16 31 49
Feb. 11			
SP	iP		18 41 27
Feb. 11			
BYRD	eP		20 13 30
KOR	iP		20 03 53
SP	iP		20 13 07
Feb. 12			
SP	eP		00 58 56
Feb. 12			
GUAM	iP		02 34 58
TRUK	iP		02 36 26
	iS		38 03
Feb. 12			
BYRD	eP		06 47 34

Date and Station		Phase	(GCT)
			h m s
GUAM	iP		06 39 39
	i		39 49
	i		43 40
SP	iP		06 47 35
	i		47 46
TRUK	eP		06 38 04
Feb. 12			
BYRD	eP		07 34 09
	iP		34 16
GUAM	iP		07 26 09
	ipP		26 22
	iL		30 03
KOR	eP		07 26 23
	ipP		26 37
SP	iP		07 34 12
TRUK	iP		07 24 39
	e(S)		27 14
Feb. 12			
SP	iP		12 34 06
	i		34 15
Feb. 12			
SP	iP		14 01 02
Feb. 12			
SP	eP		18 30 40
TRUK	eP		18 26 47
Feb. 12			
SP	iP		18 35 42
Feb. 12			
SP	eP		18 40 46
Feb. 12			
SP	eP'		23 50 36
Feb. 13			
BYRD	iP'		00 03 05
	ePP		06 30
GUAM	iP		23 52 40
	i		52 54
	e(PP)		54 56
KOR	eP		23 53 56
SP	eP'		00 03 12
	ePP		06 18
	e		07 04
TRUK	iP		23 52 56
	i		53 11
Feb. 13			
SP	eP'		00 30 22
Feb. 13			
SP	eP'		04 37 46

Date and Station		Phase	(GCT)
Feb. 13			h m s
SP	iP		09 53 54
Feb. 14			
GUAM	iP		09 10 44
KOR	eP		09 08 41
Feb. 14			
SP	eP		12 05 43
Feb. 14			
BYRD	eP		14 48 30
	iP		48 50
SP	iP		14 49 13
Feb. 14			
BYRD	iP		15 48 53
SP	iP		15 48 35
	i		49 32
Feb. 14			
SP	eP		18 29 29
Feb. 15			
BYRD	eP'		02 05 50
	iP'		05 58
	iPP		08 24
SP	eP'		02 05 57
	i		07 40
	ePP		08 30
TRUK	eP		01 53 47
	e(T)		02 32 27
Feb. 16			
BYRD	eP'		06 23 13
	iP'		23 29
GUAM	iP		06 09 43
KOR	eP		06 10 22
SP	iP'		06 23 10
	i		23 26
Feb. 16			
GUAM	iP		07 43 13
	iS		43 57
TRUK	iP		07 44 51
	iS		46 40
	iL		46 52
	eT		56 19
Feb. 16			
SP	iP		07 46 04
Feb. 16			
KOR	e(P)		08 45 31
	iP		45 34
Feb. 16			
SP	eP'		10 38 03

Date and Station		Phase (GCT)
Feb. 16		h m s
SP	iP	19 03 23
Feb. 16		
BYRD	iP	20 02 21
SP	iP	20 01 08
Feb. 17		
BYRD	iP	00 07 15
	i	07 34
SP	iP	00 07 18
TRUK	iP	23 58 10
	iS	00 00 38
Feb. 17		
TRUK	iP	00 54 10
	iS	56 51
Feb. 17		
BYRD	eP'	05 37 32
	iP'	37 42
	ipP'	38 43
	i(PP)	40 59
SP	eP'	05 37 09
	i	37 17
	ipP'	38 15
	iPP	39 09
	i	39 36
	isPP	40 17
	eSKS	44 06
	eSKKS	45 42
TRUK	iP	05 30 20
	ipP	31 16
	ePP	33 25
Feb. 17		
SP	eP	12 15 39
Feb. 17		
SP	iP	18 14 30
Feb. 18		
BYRD	iP	03 57 32
	i	58 15
SP	eP	03 58 38
Feb. 18		
BYRD	iP	04 58 10
Feb. 18		
BYRD	eP	05 51 46
SP	eP	05 50 59
Feb. 18		
BYRD	iP	07 44 45
	eS	53 22
SP	iP	07 45 19
Feb. 18		
BYRD	i(P)	10 01 43
SP	eP	10 02 55

Date and Station		Phase (GCT)
Feb. 18		h m s
BYRD	eP	13 30 59
	eS	38 36
	eScS	40 52
SP	eP	13 31 26
Feb. 18		
BYRD	eP	14 45 33
	e	47 08
SP	eP	14 45 22
Feb. 18		
KOR	eP	18 57 12
Feb. 18		
KOR	eP	19 12 24
SP	eP'	19 26 37
	e	27 30
Feb. 18		
BYRD	eP'	20 07 26
KOR	iP	19 53 09
	e(S)	56 48
SP	eP'	20 07 16
Feb. 18		
BYRD	eP	20 21 38
	e(S)	32 04
KOR	iP	20 12 47
	iS	16 07
	eL	16 36
SP	eP	20 21 30
TRUK	iP	20 11 38
	e(S)	14 07
	eL	16 05
Feb. 19		
BYRD	eP	01 28 36
Feb. 19		
BYRD	eP	05 44 12
Feb. 19		
BYRD	eP	08 23 09
	i	23 32
	e(S)	27 15
	eL	28 45
SP	iP	08 19 54
Feb. 19		
BYRD	iP'	10 52 30
SP	eP'	10 52 11
Feb. 19		
BYRD	iP	19 38 20
	i	38 38
	iSKS	48 48
KOR	iP	19 31 40
	iS	36 42

Date and Station		Phase (GCT)
		h m s
SP	iP	19 37 44
	ePP	41 04
	eS	47 49
	e(SS)	52 51
	eP'P'	20 04 07
	eSKPP'	07 28
TRUK	iP	19 33 55
	iPP	35 38
Feb. 19		
SP	iP	19 52 05
Feb. 19		
SP	iP	19 56 13
Feb. 19		
SP	iP	19 57 08
Feb. 20		
BYRD	iP	02 24 33
SP	iP	02 25 02
Feb. 20		
BYRD	eP'	04 16 38
Feb. 20		
BYRD	eP'	04 57 22
KOR	iP	04 42 59
SP	eP'	04 57 08
Feb. 20		
KOR	eP	09 09 11
Feb. 20		
BYRD	eP	12 05 12
SP	eP	12 05 13
	i	05 15
	i	07 13
Feb. 20		
BYRD	e(P)	13 30 29
SP	e(P)	13 30 45
Feb. 20		
KOR	eP	20 57 10
Feb. 21		
BYRD	iP	03 29 23
	iPcP	29 58
SP	iP	03 30 04
Feb. 21		
SP	eP	06 43 20
Feb. 21		
BYRD	e(P')	11 11 33
SP	i(P')	11 11 46
Feb. 21		
BYRD	eP'	12 11 57
	epP'	12 14

Date and Station		Phase (GCT)
		h m s
GUAM	iP	11 58 12
SP	iP'	12 11 54
	i	12 34
Feb. 21		
BYRD	eP	13 59 42
SP	eP	14 00 19
Feb. 21		
SP	iP	22 14 42
Feb. 22		
BYRD	eP	08 24 08
	epP	24 56
GUAM	iP	08 16 03
	eS	19 33
KOR	eP	08 15 50
SP	iP	08 24 04
TRUK	iP	08 15 00
	i	15 04
Feb. 22		
BYRD	eP'	11 09 31
	iP'	09 41D
	e	10 29
	ePP	12 20
	eSKP	13 08
	eSKS	16 54
	eSKKS	19 05
	eSKSP	21 34
	eL	54 50
GUAM	eP	10 59 09
KOR	iP	11 00 30D
	iPcP	01 13
	eS	08 34
SP	eP'	11 09 44
	ePP	12 20
	iSKP	12 59
	i	13 18
	i	13 35
	eSKKS	18 57
TRUK	eP	10 59 26C
	i	59 34
	iPcP	11 00 41
Feb. 22		
BYRD	eP'	13 40 59
SP	eP'	13 41 16
Feb. 22		
BYRD	iP	13 53 23
SP	iP	13 53 24
Feb. 22		
BYRD	eP'	17 24 35

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

B-4297-A

Date and Station		Phase (GCT)	Date and Station	Phase (GCT)	Date and Station	Phase (GCT)	Date and Station	Phase (GCT)
		h m s		h m s		h m s		h m s
KOR	eP	23 32 14						
	iP	32 19						
	eS	35 47						
	eL	36 07						
SP	eP	23 42 31						
	iP'	46 27						
	ePP	47 02						
	ePKKP	57 29						
THULE	iP	23 40 18						
	ePP	43 30						
TRUK	eP	23 34 31						
Feb. 28								
SP	eP	03 23 51						
Feb. 28								
BYRD	iP	08 09 51						
SP	iP	08 09 36						
Feb. 28								
THULE	iP	10 04 01						
	i	04 09						
Feb. 28								
SP	eP	12 14 33						
Feb. 28								
THULE	eP	12 26 42						
Feb. 28								
KOR	eP	16 44 57						
Feb. 28								
THULE	eP	16 48 08						
Feb. 28								
BYRD	eP	20 27 06						
SP	eP	20 28 05						
Feb. 28								
BYRD	iP	20 45 24						
SP	iP	20 45 40						
	i	46 32						