

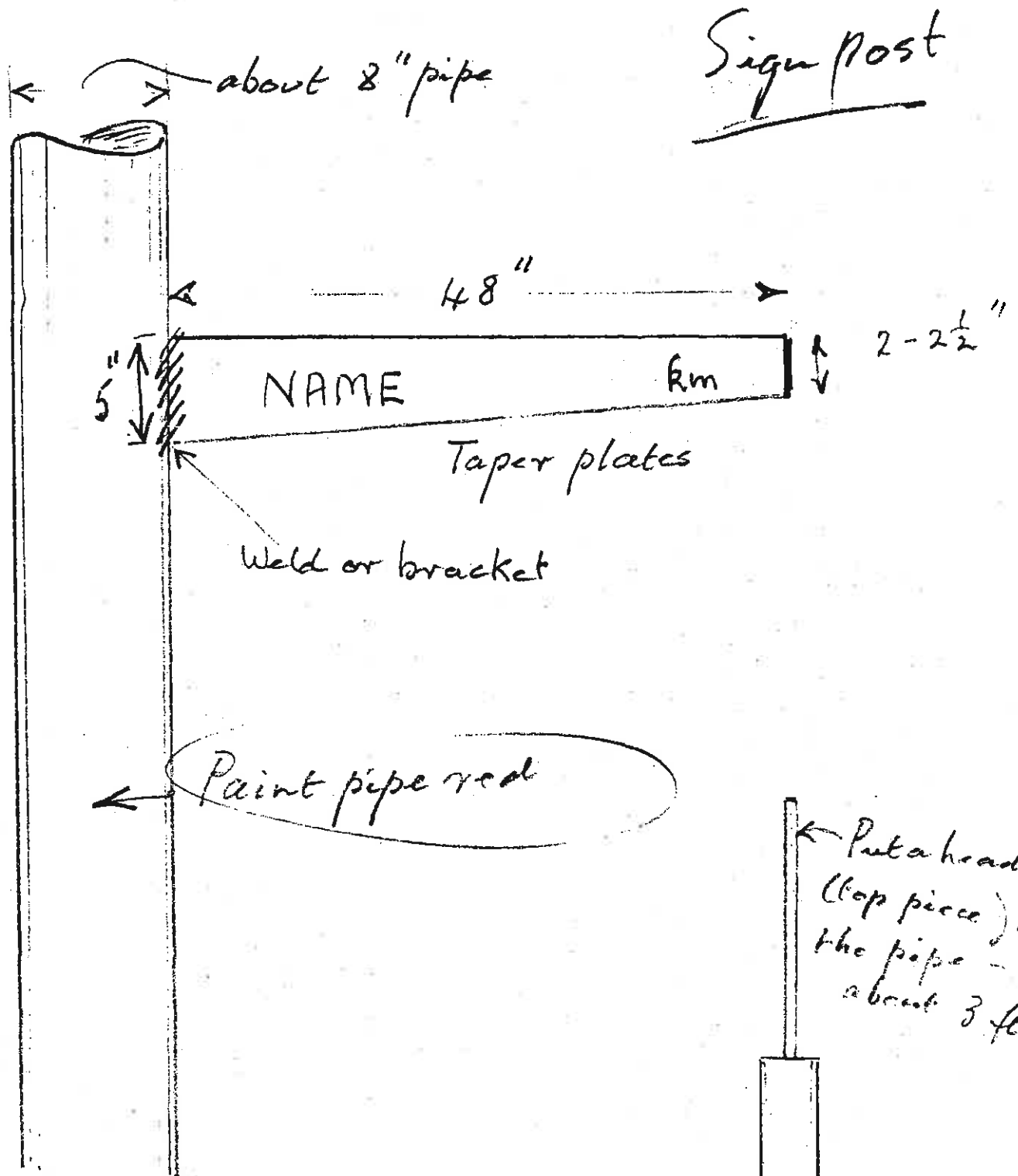
International Signpost on the Mall
West Ridge, University of Alaska, Fairbanks

APPENDIX

Some Sketches
Tabulations
Correspondence

Tim
+
Greg
Copies of
original
Mike Post
Sketches
+ Drawings
+ Destination

Keith B. Mather
June, 1986



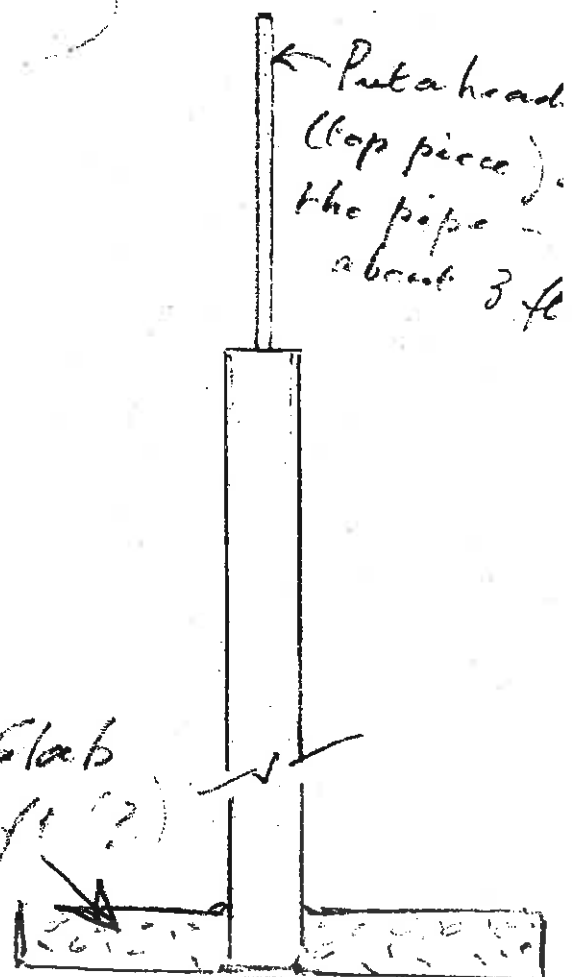
Plates 2 colors -
Blue & Brown

Cycle B

Cycle H

See details
of dimensions

Concrete Slab
about 6 ft (?)



Cycle A -- Brown Plates

Name	Distance km	Nominal Azimuth	True Azimuth
North Pole ✓	2806	00	0°
Reykjavik ✓	5040	30	30
St. Johns ✓	5584	60	61
Washington, D.C. ✓	5283	90	87
Whitehorse ✓	810	120	120
Summit Lake ✓	223	150	148½
Anchorage ✓	423	180	194
Mt. McKinley ✓	255	210	219
Mirny ✓	17318	240	238½
Tokyo ✓	5658	270	272
Peking ✓	6358	300	294
Novosibirsk ✓	6004	330	326
Moscow ✓	6620	360	356½
London ✓	6804	30	22
Ascension Is. ✓	12731	60	52
New York ✓	5257	90	83
Seattle ✓	2453	120	129
Pitcairn Is. ✓	9977	150	164
Honolulu ✓	4895	180	193½
Christchurch ✓	12501	210	210
Mawson ✓	18608	240	244
Singapore ✓	10731	270	287

Name	Azimuth	Distance from top of post to center of plate
North Pole 2806 km	0°	12 inches
Reykjavik 5040 km	30°	17 $\frac{1}{2}$
St. Johns 5584 km	61°	23 $\frac{1}{4}$
Washington D.C. 5283 km	87°	28
Whitehorse 810 km	120°	34
Summit Lake 223 km	148 $\frac{1}{2}$	39 $\frac{1}{4}$
Pitcairn Is. 9977 km	164°	42
Anchorage 423 km	194°	47 $\frac{1}{2}$
Mt. McKinley 255 km	219°	52
Mirny 17318 km	238 $\frac{1}{2}$ °	55 $\frac{3}{4}$
Tokyo 5658 km	272°	62
Peking 6358 km	294°	66
Novosibirsk 6004 km	326°	71 $\frac{3}{4}$
Moscow 6620 km	356 $\frac{1}{2}$ °	77 $\frac{1}{4}$
London 6804 km	22°	82
Ascension Is. 12731 km	52°	87 $\frac{1}{2}$
New York 5257 km	83°	93 $\frac{1}{4}$
San Francisco 2453 km	129°	101 $\frac{1}{2}$
Pitcairn Is. 9977 km	164°	108
Honolulu 4895 km	193 $\frac{1}{2}$ °	113 $\frac{1}{2}$
Christchurch 12801 km	210°	116 $\frac{1}{2}$
Mawson 18608 km	244°	122 $\frac{3}{4}$
Singapore 10731 km	287°	130

Nom. Azim.		Actual Azim.	Correct (deg)	Nom. Distance (inches)	Correct. Distance (inches)	Actual Dist (inches)
0	North Pole	0	0	12	0	12
30	Reykjavik	30	0	$17\frac{1}{2}$	0	$17\frac{1}{2}$
60	St. Johns	61	1	23	$\frac{1}{4}$	$23\frac{1}{4}$
90	Wash D.C.	87	-3	$28\frac{1}{2}$	$-\frac{1}{2}$	28
120	Whitehorse	120	0	34	0	34
150	Summit Lake	$148\frac{1}{2}$	$-1\frac{1}{2}$	$39\frac{1}{2}$	$-\frac{1}{2}$	$39\frac{1}{2}$
	Pitcairn Is	164	+14		+2 $\frac{1}{2}$	42
180	Anchorage	194	+14	45	+2 $\frac{1}{2}$	$47\frac{1}{2}$
210	Mt. McKinley	219	+9	$50\frac{1}{2}$	+1 $\frac{1}{2}$	52
240	Mirny	$238\frac{1}{2}$	-1 $\frac{1}{2}$	56	$-\frac{1}{4}$	$55\frac{3}{4}$
270	Tokyo	272	2	$61\frac{1}{2}$	$\frac{1}{2}$	62
300	Peking	294	-6	67	-1	66
330	Novosibirsk	326	-4	$72\frac{1}{2}$	$-\frac{3}{4}$	$71\frac{3}{4}$
360(0)	Moscow	$356\frac{1}{2}$	-3 $\frac{1}{2}$	78	$-\frac{3}{4}$	$77\frac{1}{4}$
30	London	22	-8	$83\frac{1}{2}$	-1 $\frac{1}{2}$	82
60	Ascension Is.	52	-8	89	-1 $\frac{1}{2}$	$87\frac{1}{2}$
90	New York	83	-7	$94\frac{1}{2}$	-1 $\frac{1}{4}$	$93\frac{1}{4}$
120	Seattle	129	+9	100	+1 $\frac{1}{2}$	$101\frac{1}{2}$
150	Pitcairn Is.	164	+14	$105\frac{1}{2}$	+2 $\frac{1}{2}$	108
180	Honolulu	$193\frac{1}{2}$	+13 $\frac{1}{2}$	111	+2 $\frac{1}{2}$	$113\frac{1}{2}$
210	Christchurch	210	0	$116\frac{1}{2}$	0	$116\frac{1}{2}$
240	Musson	$244\frac{1}{2}$	+ $\frac{1}{2}$	122	+ $\frac{3}{4}$	$122\frac{3}{4}$
270	Singapore	287	+17	$127\frac{1}{2}$	+3	130.

↓ from top of pole

Cycle A

correction to true azimuth to give

Cycle B — Blue Plates

Name	Distance km	Nominal Azimuth	True Azimuth
South Pole ✓	17198	180°	180°
McMurdo ✓	16132	210	195½
Melbourne ✓	12778	240	234
Kamchatka ✓	2808	270	274
Colombo ✓	11131	300	312
Barrow ✓	806	330	336½
Cairo ✓	9484	360	1
Thule ✓	2896	30	31½
Halifax ✓	5367	60	72
St. Louis ✓	4686	90	99½
Mexico City ✓	6180	120	121
San Francisco ✓	3441	150	138½
Tahiti ✓	9142	180	182
Midway Is. ✓	4568	210	221½
Adelaide ✓	12742	240	240
Hong Kong ✓	8151	270	287
Katmandu ✓	8764	300	314
Tashkent ✓	7794	330	331
Nairobi ✓	12937	360	355
Timbuktu	10458	30	33½
Dakar ✓	10255	60	47½
Ottawa ✓	4741	90	81

	<u>Azim.</u>	Distance from top of post
South Pole 17198 <u>km</u>	180 °	12 inches
McMurdo 16132 <u>km</u>	195 $\frac{1}{2}$ °	15
Melbourne 12778 <u>km</u>	234 °	22
Kamchatka 2808 <u>km</u>	274 °	29 $\frac{1}{4}$
Colombo 11131 <u>km</u>	312 °	36
Barrow 806 <u>km</u>	336 $\frac{1}{2}$ °	40 $\frac{3}{4}$
Cairo 9484 <u>km</u>	1 °	45 $\frac{1}{4}$
Thule 2896 <u>km</u>	31 $\frac{1}{2}$ °	50 $\frac{3}{4}$
Halifax 5367 <u>km</u>	72 °	58
St. Louis 4686 <u>km</u>	99 $\frac{1}{2}$ °	63
Mexico City 6180 <u>km</u>	121 °	67 $\frac{1}{4}$
San Francisco 3441 <u>km</u>	138 $\frac{1}{2}$ °	70 $\frac{1}{2}$
Tahiti 9142 <u>km</u>	182 °	78 $\frac{1}{2}$
Midway Is. 4568 <u>km</u>	221 $\frac{1}{2}$ °	85 $\frac{1}{2}$
Adelphi 12742 <u>km</u>	240 °	89
Hong Kong 8151 <u>km</u>	287 °	97 $\frac{1}{2}$
Katmandu 8764 <u>km</u>	314 °	102 $\frac{1}{2}$
Tashkent 7194 <u>km</u>	331 °	105 $\frac{3}{4}$
Nairobi 12937 <u>km</u>	355 °	110 $\frac{1}{2}$
Timbuktu 10458 <u>km</u>	33 $\frac{1}{2}$ °	117
Dakar 10555 <u>km</u>	47 $\frac{1}{2}$ °	120
Ottawa 4741 <u>km</u>	81 °	126

Nom. Azimuth		Actual Azim.	Correction (degrees)	Nom. Distance (inch)	(Inches) Correction	Actual Distance (inch)
180	South Pole	180	0	12	0	12
210	McMurdo	195½	-14½	17½	-2½	15
240	Melbourne	234	-6	23	-1	22
270	Kamchatka	274	4	28½	$\frac{3}{4}$	29¼
300	Colombo	312	12	34	2	36
330	Barrow	336½	6½	39½	1¼	40¾
360(0)	Cairo	1	1	45	$\frac{1}{4}$	45¼
30	Thule	31½	1½	50½	$\frac{1}{4}$	50¾
60	Halifax	72	12	56	2	58
90	St. Louis	99½	9½	61½	1½	63
120	Mexico City	121	1	67	$\frac{1}{4}$	67¼
150	San Francisco	138½	-11½	72½	-2	70½
180	Tahiti	182	2	78	$\frac{1}{2}$	78½
210	Midway Is.	221½	11½	83½	2	85½
240	Adelaide	240	0	89	0	89
270	Hong Kong	287	17	94½	3	97½
300	Katmandu	314	14	100	2½	102½
330	Tashkent	331	1	105½	$\frac{1}{4}$	105¾
360(0)	Nairobi	355	-5	111	-¾	110¼
30	Timbuktu	33½	3½	116½	$\frac{1}{2}$	117
60	Da. Kart	47½	-12½	122	-2	120
90	Ottawa	81	-9	127½	-1½	126
	a	1				1

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B

From: Signpost - West Ridge Mall

7/20/73

Lat $64^{\circ}51'34.8''$ N Long. $147^{\circ}50'49.2''$ W

$a = 6,378,145.00$ m., $b = 6,356,759.76$ m.

To Lat. Long Kilometers Naut Mi Azimuth Back Az.

Kodiak $57^{\circ}47' - 152^{\circ}24'$ 824.87 445.39 $199^{\circ}12'14.02$ $15^{\circ}12'04.7$

Juneau $58^{\circ}18' - 134^{\circ}25'$ 1017.47 549.39 $129^{\circ}37'47.74$ $321^{\circ}28'23.4$

Ketchikan $55^{\circ}20' - 131^{\circ}35'$ 1384.66 747.66 $132^{\circ}21'11.83$ $326^{\circ}28'48.1$

Sitka $57^{\circ}03' - 135.20$ 1099.08 593.46 $136^{\circ}27'22.29$ $327^{\circ}25'54.1$

Attu. $52^{\circ}50' - 173^{\circ}14'E$ 2555.89 1380.07 $257^{\circ}08'17.63$ $43^{\circ}18'50.3$

Cordova $64^{\circ}32.5' - 145^{\circ}45'$ 493.03 266.21 $166^{\circ}29'22.06$ $348^{\circ}21'15.40$

Valdez $61^{\circ}03' - 146^{\circ}21'$ 431.34 232.90 $169^{\circ}11'11.94$ $350^{\circ}31'14.55$

Seward $60^{\circ}07' - 149^{\circ}26'$ 534.87 288.81 $189^{\circ}30'07.28$ $08^{\circ}05'37.8$

Anchorage $61^{\circ}13' - 149^{\circ}51'$ 418.46 225.95 $194^{\circ}54'47.20$ $13^{\circ}07'36.7$
(Merrill Fld)

Isabel Pass $63^{\circ}11' - 145^{\circ}32'$ 218.84 118.16 $147^{\circ}34'36.32$ $329^{\circ}40'18.8$

Keith: Some more Lulu's -
and some Alaska cities
from "Signpost" - for your
reference if needed.


Had lunch with John Reed who

Washington
July 18 1973

Dear Keith

after talking with you this morning
I added Mt. Stayer, Mt. Moffit, Mt Sanford
and Mount Wrangell. The last may do at
 $147^{\circ} 44'$ azimuth.

The village of Sourdough on the
Richardson Highway might add some
local color!

I also searched the Pacific Ocean
without finding any other places in
your gap.

The revised values for Mt McKinley
are derived from the position of the high
point on the aeronautical chart.

Until we see you, kind regards -

Sincerely

RB.

Copy to Dan Crevier

Dr. Keith Mather
DORMINO Oaks Motel

From: Univ. of Alaska (West Ridge Mail)

Latitude $64^{\circ}51'34.8''$ N

Longitude $147^{\circ}50'49.2''$ W.

Geoid: $a = 6,378,145.00$ meters.

$b = 6,356,759.76$ meters.

To.	Lat	Long	Kilometers	Naut Mi.	Azimuth	Back Az.
Easter Id. (Rapa Nui)	$-27^{\circ}09'$	$-109^{\circ}27'$	10725.77	5791.45	$146^{\circ}06'16.93''$	$344^{\circ}31'3''$
✓ Mt Steller (Bering Glacier) 10,617	$60^{\circ}31'$	$-143^{\circ}06'$	541.33	292.29	$151^{\circ}12'13.81''$	$335^{\circ}25'30''$
✓ Summit Lake	$63^{\circ}08'$	$-145^{\circ}32'$	223.25	120.55	$148^{\circ}29'07.59''$	$330^{\circ}33'54''$
✓ Mt Drum 12010	$62^{\circ}07'$	$-144^{\circ}38'$	345.43	186.52	$150^{\circ}47'01.19''$	$333^{\circ}40'31''$
✓ Mt Hayes 13382	$63^{\circ}32'$	$-146^{\circ}43'$	158.01	85.32	$158^{\circ}49'50.10''$	$339^{\circ}51'4''$
✓ Mt McKinley Highest Pt.	$63^{\circ}04'$	$-151^{\circ}00'$	252.06	136.10	$218^{\circ}58'14.65''$	$36^{\circ}09'08''$
✓ Mt Moffit (13,020 ft)	$63^{\circ}34'$	$-146^{\circ}24'$	160.35	86.58	$153^{\circ}21'34.38''$	$335^{\circ}39'4''$
✓ Sourdough.	$62^{\circ}32'$	-145.31	283.74	153.22	$154^{\circ}59'12.94''$	$337^{\circ}04'35''$
✓ Mt Sanford (16,237)	$62^{\circ}12.5'$	$-144^{\circ}07'$	348.84	188.36	$146^{\circ}11'40.72''$	$329^{\circ}32'06''$
✓ Mt Wrangell (13,007)	$62^{\circ}02'$	$-144^{\circ}07'$	365.79	197.51	$147^{\circ}44'40.55''$	$331^{\circ}04'57.1''$

From: Signpost - West Kidge Mall

Lat $64^{\circ} 51' 34.8''$ N Long. $147^{\circ} 50' 49.2''$ W

$a = 6,378,145.00$ m., $b = 6,356,759.76$ m.

To Lat. Long Kilometers Naut Mi Azimuth Back Az.

Kodiak $59^{\circ} 47' - 152^{\circ} 24'$ 824.87 445.39 $199^{\circ} 12' 14.02$ $15^{\circ} 12' 04.7$

Juneau $58^{\circ} 18' - 134^{\circ} 25'$ 1017.47 549.39 $129^{\circ} 37' 47.74$ $321^{\circ} 28' 23.4$

Ketchikan $55^{\circ} 20' - 131^{\circ} 35'$ 1384.66 747.66 $132^{\circ} 21' 11.83$ $326^{\circ} 28' 48.1$

Sitka $57^{\circ} 03' - 135.20$ 1099.08 593.46 $136^{\circ} 27' 22.29$ $327^{\circ} 25' 54.1$

Attu. $52^{\circ} 50' 173.14$ E 2555.89 1380.07 $257^{\circ} 08' 17.63$ $43^{\circ} 18' 50.8$

(Massacre B.) $50^{\circ} 50' 173.14$ E ~~2921.85~~ ~~469.66~~ ~~253^{\circ} 49' 09.87~~ ~~40^{\circ} 16' 42.8~~

Admiralty $51^{\circ} 24' 179^{\circ} 18'$ E 2402.12 1297.04 $247^{\circ} 13' 35.36$ $38^{\circ} 55' 33.1$

Constantine Hbr

St Lawrence I. $63^{\circ} 41' 170^{\circ} 24'$ W 1094.72 591.10 $273^{\circ} 25' 44.13$ $73^{\circ} 03' 41.1$

(Savonga)

Pribilof I $57^{\circ} 08' 170^{\circ} 16'$ W ~~2371.09~~ ~~796.20~~ ~~244^{\circ} 05' 41.53~~ ~~45^{\circ} 09' 02.1~~

St Paul

Dutch Hbr $53^{\circ} 54' 166^{\circ} 32'$ W 1605.77 867.04 $229^{\circ} 24' 44.23$ $33^{\circ} 13' 17$

Nome $64^{\circ} 30' 165^{\circ} 28'$ W 837.02 451.96 $275^{\circ} 14' 12.26$ $79^{\circ} 19' 55.6$

Kotzebue $66^{\circ} 55' 162^{\circ} 35'$ W 708.09 382.34 $295^{\circ} 28' 48.09$ $102^{\circ} 00' 53.7$

Point Hope $68^{\circ} 22' 166^{\circ} 46'$ W 920.17 496.85 $303^{\circ} 30' 14.71$ $106^{\circ} 06' 21$

Prudhoe B. $70^{\circ} 19' 148^{\circ} 19'$ W 606.94 328.80 $358^{\circ} 20' 06.67$ $177^{\circ} 54' 00$

(Pier)

Herschel I $69^{\circ} 35' 139^{\circ} 05'$ 647.54 349.64 $31^{\circ} 43' 58.73$ $219^{\circ} 49' 20.1$

(Yukon Ter.)

Land use equipment at Kirklington pany's geophysics division near Eakri

The director of Kib
Dr. T. C. Richards, 7
of all of us we disco
Dr. T. F. Gaskell, the
ographer and broadca
hold long conversatio
offices without the ai
M. F. Roberts, now
physicist with BP Alai
could perform quite a
of Dr Gaskell, and or
duced a disagreeable
into these conversatio
party, initially, were
D. H. Lamb and C. A.
warden of Anglo-Iranian
Masjid-i-Sulaiman, and
Davis, the well-known
climber of the Old Ma
Stack, the Eiffel Tower

It was in Kuwait that justifiably irritated by incursion into the air-
trailer of one of the Ara
who never failed to leave
said, "Shut the door, ca
body'd think you lived in
It was in Kuwait th



from Paul Smith

British Petroleum field - Series

1973