ADDENDUM TO PRTN 81-033

It has been brought to our attention that the list of forecast studies included with PRTN 81-033, is deficient in at least one case. This case pertains to an occurrance of high winds at Kelowna on April 14, 1980.

To correct this oversight, please amend page 3 of PRTN 81-033 by adding within the "WINDS" category

KELOWNA WINDSTORM - MONDAY, APRIL 14/80

This brings the number of "WIND" studies to 4, and the number of cases from the southern Interior to 8.

Our apologies to Ralph Janes.

PACIFIC REGION TECHNICAL NOTES

81-033
December 10, 1981

FORECAST STUDIES IN THE PACIFIC REGION TECHNICAL NOTES

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INTRODUCTION

Over the past few years, a number of forecast studies have been published as Pacific Region Technical Notes. These studies provide a wealtheof information. Most deal with situations that are somewhat out of the ordinary. Meteorologists, on occasion, are unprepared for certain developments. More often, forecasters are just uncertain about how a particular complex situation might evolve. A perusal of suitable case studies can aid in formulating one's ideas when faced with a perplexing and potentially troublesome meteorological situation.

To assist in locating pertinent studies when needed, an index has been set up. The studies are categorized into groups determined by the major weather element involved in each situation. Sixteen of the papers involve precipitation - 10 of them rain, and 6 snow. Another 6 are entered under "systems". These basically involve a look at synoptic or mesoscale cloud systems without emphasis on the accompanying weather elements. Thunderstorms and wind studies total 3 each. One study covers the advection of low cloud.

Geographically the number of studies can be categorized thusly:

Southwestern B.C.	14
Southern Interior	8
Pacific Ocean	4
North Coast	2
Central Interior	1

This list demonstrates an overwhelming preponderance of southern cases. A reading of the raw statistics can lead one to assume that the most interesting, complex, or troublesome meteorological situations occur with greatest frequency across the southern part of the province. But, then again, perhaps there is another answer.

FORECAST STUDIES IN THE PACIFIC REGION TECHNICAL NOTES cont...
PACIFIC REGION TECHNICAL NOTES 81-033

LIST OF PRTN FORECAST STUDIES

RAIN

BUST FORECAST - AND AN ATTEMPTED EXPLANATION	78-011
HEAVY RAINS OVER THE KOOTENAYS	78-013
THE HALLOWEEN DELUGE - TERRACE 1978	78-041
AN EXAMPLE OF INDUCED WAVE CYCLOGENESIS, OR SEVEN HOURS OF MODERATE RAIN AT VANCOUVER	78-046
NON-FORECAST OF RAIN OVER SOUTHWESTERN B.C. - DEC. 5, 1979	79-037
NON-FORECAST OF RAIN OVER THE GREATER VANCOUVER AREA - JUNE 16, 1980	80-031
THE BOXING DAY FLOODS OF 1980 OVER SOUTHWESTERN B.C. (See also 81-010)	81-003
THE USE OF SATELLITE PHOTOGRAPHS IN DETERMINING THE BEST NUMERICAL GUIDANCE IN A CRITICAL SITUATION - THE HEAVY RAINFALL OF BOXING DAY 1980 (See also 81-003)	81-010
A LOOK AT A MESOSCALE PRECIPITATION CASE - LAST GASP FROM TS BEATRIZ	81-017
HEAVY RAINFALL OVER GREATER VANCOUVER - OCT. 30 - NOV. 1, 1981	81-024

SNOW

A RECORD SNOWFALL AT COMOX	78-016
UNDER-FORECAST OF SNOW IN THE SOUTHERN INTERIOR - DEC. 1, 1979	79-036
SURPRISE SNOWFALL AT PRINCE RUPERT, BOXING DAY 1978	79-001
SNOW WARNINGS FOR THE B.C. INTERIOR - THURSDAY, DEC. 13, 1979	79-038
INVESTIGATION INTO A HEAVY SNOW WARNING FOR PORTIONS OF THE LOWER MAINLAND AREA ON DEC. 14, 1979	79-039
A SIGNIFICANT SNOWFALL OVER GREATER VANCOUVER - DEC. 2 - 8, 1980	81-029

cont...

FORECAST STUDIES IN THE PACIFIC REGION TECHNICAL NOTES cont...
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SYSTEMS

STORM DEVELOPMENT ASSOCIATED WITH UPPER LOWS	78-022
FAILURE OF COMPUTER PRODUCTS TO HANDLE CONVECTIVE PRECIPITATION	78-028
A SURPRISE PACIFIC STORM	79-022
DEVELOPMENT OF AN INSTABILITY LINE OVER THE PACIFIC NORTHWEST	79-026
A DEEPENING PACIFIC STORM - JANUARY 10 - 12, 1980	80-032
A CASE STUDY IN THE USE OF SATELLITE INFORMATION IN ASSESSING NUMERICAL WEATHER PROGNOSES - NOVEMBER 7, 1980	81-004

THUNDERSTORMS

THE DRY LIGHTNING OUTBREAK OF AUG. 4TH, 1978	78-036
UNFORECAST THUNDERSTORMS IN THE KAMLOOPS AREA - AUGUST 2, 1979	79-028
A CASE OF TEN THOUSAND CLOUD TO GROUND LIGHTNING STRIKES	80-025

WINDS

"INNOCUOUS" COLD FRONT WREAKS HAVOK IN SOUTHERN INTERIOR	79-027
GALE FORCE WINDS AND HEAVY THUNDERSTORM ACTIVITY OVER SHOUTHWESTERN B.C. ON SUNDAY, AUG. 17, 1980	80-028
WINDSTORM OVER SOUTHWESTERN B.C. - SATURDAY, NOV. 14, 1981	81-027

STRATUS

STRATUS ADVECTION INTO SOUTHERN GEORGIA STRAIT	78-035

VP:akn