

# THE KLÜSSENDORFER

## Newsletter of the BNAPS Canadian Klüssendorf Study Group

Issue Number 10

May 1990

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Issue #10 has no hot headlines such as new towns, as of May 13, the day when I started typing. Just a lot of news. In fact, I may have too much news for 18 pages! Can't ever complain about too many reports - but I'll try and get them all in. Also, I'll arrange them in groups by type - some highlights and questions, errors, TMs, etc. as I go along. And I'm still learning more on the Mac that'll eventually help give a better newsletter.

**BOWMANVILLE, ON** My latest strike is 29 XII 1989-18. I found no strike in January to March, 1990, which is unusual for this common town. The postmaster told me that as of January 1, 1990 all mail from BOWMANVILLE is being bagged and sent to the Oshawa sorting facility. As of March 31, the K machine was sitting idle and had not been used in 1990 and probably will not be used.

**LA BAIE, PQ.** As noted previously, the LKU at present in 23 V 1989. A report of the black box IPS without town name has been found dated 8 VIII 1989. This narrows the gap between the LKU for the K and the EKU of the IPS.

KABAME PQ  
8 VII 1989

CHICOUTIMI PQ  
15 JAN 1990



**CHICOUTIMI, PQ.** The new blank CHICOUTIMI machine already has a new timemark of . found on 14 II 1990. .

**SHERBROOKE, PQ.** Denis Cottin reports that most mail at SHERBROOKE goes to Montreal by bag. The IPS machine is gone. The Klüssendorf machine is now used very infrequently. Some of the mail goes to Granby for sorting, instead of to Montreal. The K machine at SHERBROOKE is no longer a normal machine. The hub and canceller and the heart of the machine remain, but it has been modified by the addition of some peripheral attachments to allow it to carry more letters. The machine is used only for a medium-small mail day. There is also a Toshiba machine at SHERBROOKE.

**SMITHS FALLS, ON.** The annual March III for III at SMITHS FALLS has again appeared in 1990 on 01 III 1990, as shown above.

**BLLENHEIM, ON Invert.** Greig Hutton reports that BLENHEIM had an invert on 02 II 1990.

**THOMPSON, MB.** A. N. Butch Pearson, a BNAPS member, writes that the THOMPSON Klüssendorf machine was put in service on November 23, 1983. This information was supplied by a friend of his who works at the post office. This information was written down two weeks after the machine (serial # 02249) started use.

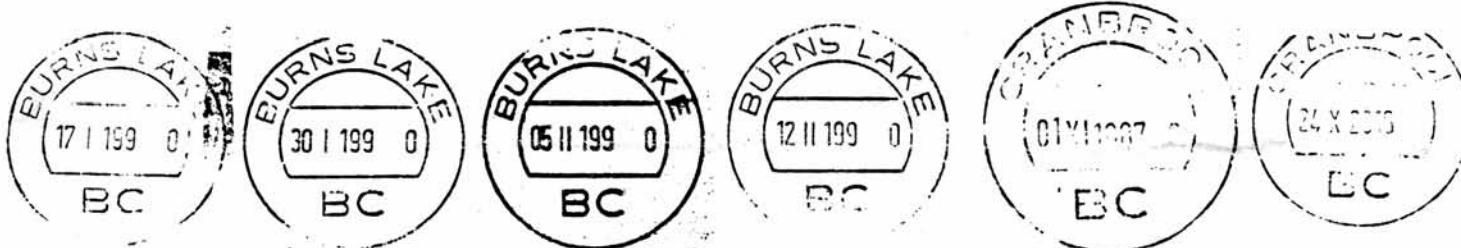
**THE PAS, MB.** Add this town to those showing partly turned over dates. Theo Gordon reports the strike shown above, which he received on January 12, 1990.

ERRORS

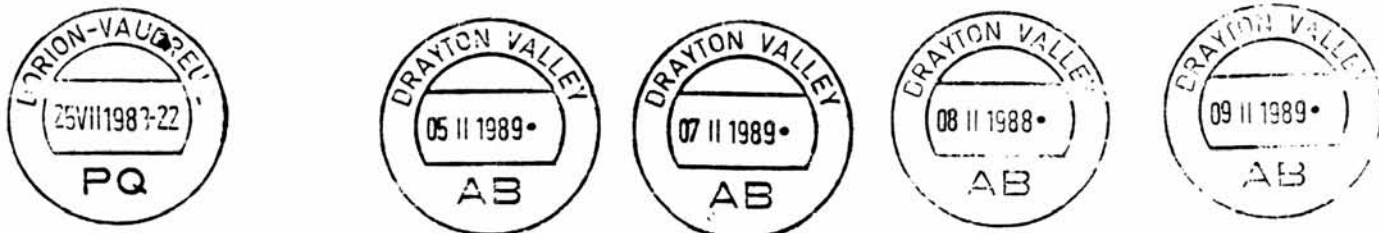
A lot of errors have been reported for this issue, so I have collected them here. The contributors are identified by initials in parentheses after the reports (see last issue's list of members). I'll place the illustrations, where available, as close as I can to the reports.



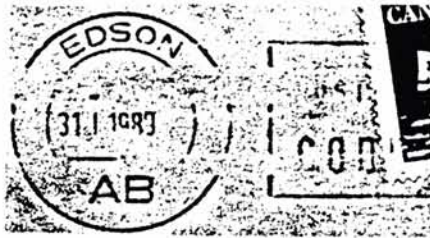
|                   |                |   |                  |
|-------------------|----------------|---|------------------|
| ACTON, ON         | 17 I 1999 BL   | Error for 17 XII 1989 probably (meter 16 XII 1989)      | (DH)             |
| ALLISTON, ON      | 1 I 1990-16    | Should be 11 I 1990-16                                  | (DH)             |
| ALMA, PQ          | 30 XI 1982-00  | 32-cent rate  | (JGD)            |
| BERTHIERVILLE, PQ | 15 VII 2013-17 | For 1984, with possible month error also (VII or VIII). | (AS)             |
| BORDEN, ON        | 01 I 1990-17   | PO closed New Years Day                                 | (DH)             |
| BUCKINGHAM, ON    | 12 II 1989.0   | Error for 1990; new TM                                  | (JGD)            |
| BURNS LAKE, BC    | 17 I 199 0     | Error for 17 I 1990                                     | (JK)             |
| BURNS LAKE, BC    | 30 I 199 0     | Error for 1990  | (Kevin O'Reilly) |
| BURNS LAKE BC     | 05-09 II 199   | Error for 1990; new TM                                  | (JGD)            |
| BURNS LAKE, BC    | 12 II 199 0    | Still going!  | (WGR)            |



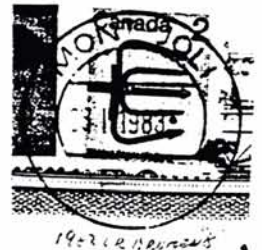
|                      |                |                      |       |
|----------------------|----------------|----------------------|-------|
| CRANBROOK, BC        | 01 XI 1987 9   | Error for 1988       | (TS)  |
| CRANBROOK, BC        | 24 X 2018      | Error for 24 XI 1989 | (JGD) |
| DORION-VAUDREUIL, PQ | 25 VII 1983-22 | 37-cent rate         | (JGD) |



|                    |                  |   |       |
|--------------------|------------------|---|-------|
| DRAYTON VALLEY, AB | 05 II 1989.      | Error for 1990; timemark change                                 | (JK)  |
| DRAYTON VALLEY     | 07 & 09 II 1989. | Errors for 1990   | (JGD) |
| DRAYTON VALLEY     | 08 II 1988.      | Error for 1990  | (JGD) |
| DRAYTON VALLEY     | 21 II 1989.      | Error for 1990. Corrected 22 II 1990.                           | (JK)  |
| EDSON, AB          | 07 II 1990-20    | Sunday. Error for 08 I 1990-20. No strikes found for 08 I 1990. | (JK)  |
| EDSON, AB          | 31 I 1989 BL     | Error for 1989; TM change. Corrected 1 II 1990                  | (JK)  |
| ESTEVAN, SK        | 11 VIII 1997.1   |   | (TG)  |
| GANANOQUE, ON      | 24 XI 1998-00    | 34-cent rate  | (JGD) |
| GANANOQUE, ON      | 28 VI 1999-09    | Should be 1988  | (JGD) |
| INNISFAIL, AB      | 21 II 1990 =1    | Should be 1 II 1990 =1  | (JK)  |
| KIRKLAND LAKE, ON  | 30 II 200 .      | Error for 1990. From January to March, 1990 batch.              | (RKT) |



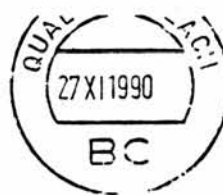
|                 |                    |  |       |
|-----------------|--------------------|--|-------|
| LACOMBE, AB     | 28 III 199 -22     | Error for 28 II 1990-22. Was 27 II 1990 =1. Corrected on 1 III 1990 =1 | (JK)  |
| LEWISPORTE, NF  | 29 XII 1980-13     | Should be 29 XI 1989   | (JGD) |
| LOUISEVILLE, PQ | 21 VI 1983-27      | Error and scarce TM  | (JGD) |
| MIDLAND, ON     | 07 to 10 III 1990. | Month error for II. 06 II and 12 II (Monday) okay.                     | (DH)  |
| MONT JOLI, PQ   | 08 I 1983.         | 34-cent rate   | (JGD) |



|                     |                                 |   |       |
|---------------------|---------------------------------|---|-------|
| NEEPAWA, MB         | 03,04,08,09 II 1990 =           | 3-cent stamp, so probably 1989  | (TG)  |
| NELSON, BC          | 06 XII 1989 BL                  | Should be 1988  | (TS)  |
| NEW HAMBURG, ON     | 1 II 1990-17 and 01 III 1990-17 | double strike. PM forgot to change the month. The March date is correct (controlled mail source).         | (AS)  |
| NEW WATERFORD, NS   | 8 II 1990 to 17 II 1990         | should be March (III) 1990  | (JJM) |
| NORTH SYDNEY, NS    | 22 I 1999-25                    | Should be II 1990   | (JJM) |
| NORTH SYDNEY, NS    | 26 I 1999-26                    | Should be II 1990 also  | (JJM) |
| PARIS, ON           | 16 III 1990-18                  | Error for 16 II 1990  | (DH)  |
| PARRY SOUND, ON     | 11 V 1989                       | is LKU for error at present, with VI month and TM -28. The EKU on TM -16 is 16 V 1989-16 after the error. | (DH)  |
| PEACE RIVER, AB     | 13 XII 1989.1                   | Should be 1988  | (TS)  |
| QUALICUM BEACH, BC  | 27 XI 1990                      | Error for 1989  | (JGD) |
| REPENTIGNY, PQ      | 30 I 1996-10                    | 32-cent rate  | (JGD) |
| RIVIERE DU LOUP, PQ | 25 XI 1993.1                    | Should be 1984  | (JGD) |
| ROUYN-NORANDA, PQ   | 26 IX 1988 =                    | 1989  | (JGD) |



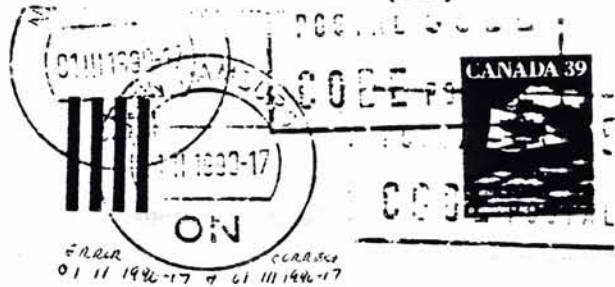
17 III 1990-16 5/16 1990



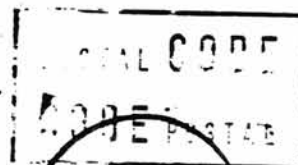
|                             |                  |  |       |
|-----------------------------|------------------|--|-------|
| ST. BRUNO, PQ               | 31 V 1988.0      | Also 1989                                    | (JGD) |
| ST. FELICIEN, PQ            | 19 II 1989.      | Should be 19 I 1990.                         | (RA)  |
| STE. JULIE DE VERCHERES, PQ | 06-07 II 1983-17 | Error  | (JGD) |
| SMITHERS, BC                | 07 VII 1990.2    | Error for 1989                               | (JGD) |
| SMITHERS, BC                | 15 II 1990.      | Possible error for 05 II                     | (JGD) |
| SPRINGHILL, NS              | 22 I 199 -09     | Error for 22 I 1990-09                       | (DH)  |
| SPRINGHILL, NS              | 12 II 199 -0     | Error lasted like this from 12 to 21 II 1990 | (JJM) |



|                   |                            |  |       |
|-------------------|----------------------------|--|-------|
| SUMMERLAND, BC    | 03 X 1980.1                | Error for 1989                         | (WGR) |
| SUMMERLAND, BC    | 24 XII 1990.               | Error for 24 XI 1989                   | (JGD) |
| SWAN RIVER, MB    | 04 II 1987 0               | 38-cent stamp; probably 1989 (or 1990) | (TG)  |
| SWIFT CURRENT, SK | 31 I 1989 and 1 II 1989 BL | should be 1990 (39 cents in stamps)    | (GS)  |
| SWIFT CURRENT, SK | 09-12 II 1989 BL           | Error for 1990                         | (JGD) |
| TRAIL, BC         | 22 XI 1989.                | Slogan - error for 1989                | (JGD) |
| VARENNES, PQ      | 13 VII 1983-18             | 32-cent rate                           | (JGD) |
| VIRDEN, MB        | 2 III 1990-20              | Error for 2 II 1990 (rec'd Feb. 25)    | (TG)  |
| WHITE ROCK, BC    | 11 VII 1996.1              | Error for 1985; confirmation.          | (TS)  |
| YELLOWKNIFE, NT   | 25 VII 1983.               | 32-cent rate                           | (JGD) |

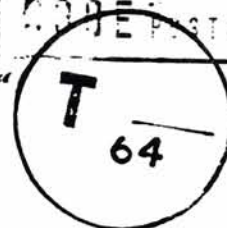


**CHATEAUGUAY, PQ.** This cancel from this dead town reads 20 XII 1981-27. It occurred in the first month of use, and is an error for 20 XII 1983-27. This was also the only use of timemark -27. The cover was unpaid, so 64 cents postage due was charged - double the 32 cents unpaid.



20 XII 1981-27  
5/17 1983

SCARCE  
TM



**IMPOSSIBLE DATES.** These belong with the errors. Reports from Allan from seven towns:

|                  |                |
|------------------|----------------|
| BURNS LAKE, BC   | 31 VI 1989.    |
| CONTRECOEUR, PQ  | 29 II 1986-27  |
| GRAND'MERE, PQ   | 31 IV 1985.    |
| MATANE, PQ       | 35 VII 1986=   |
| NORTH SYDNEY, NS | 36 VI 1989-17  |
| REPENTIGNY, PQ   | 39 XII 1985-19 |
| WHITEHORSE, YT   | 32 III 1984.   |



And I'll bet you thought we were out of errors for this issue. No, here's another batch from Al:

|                      |                   |  |
|----------------------|-------------------|--|
| ALMA, PQ             | 30 XI 1982-00     | Error for 1983; third day.   |
| ALMA, PQ             | 25-26 XI 1983-10  | Should be 25 XI 1985-00  |
| BAIE COMEAU, PQ      | 26 IV 1995 BL     | Should have been ?? 1984   |
| BEDFORD, PQ          | 18 II 1985-27     | Error for 18 III 1985-27   |
| BERTHIERVILLE, PQ    | 15 VII 2013-17    | Error for 1984   |
| BOWMANVILLE, ON      | 27-29 XII 1988-18 | 1989   |
| CHATEAUGUAY, PQ      | 20 XII 1981-27    | Error for 1983   |
| CLINTON, ON          | 04 II 1987-17     | 32-cent stamp, so error for 1988 II or III                         |
| CONTRECOEUR, PQ      | 03 I 1985-27      | Error for 03 I 1986-27   |
| CONTRECOEUR, PQ      | 20 IX 1996-00     | Should have been ?? 1985   |
| DOLBEAU, PQ          | 13-14 VIII 1996-2 | Error for 1985-2   |
| DORION-VAUDREUIL, PQ | 25-26 VI 1996-23  | Should be 1985   |
| DORION-VAUDREUIL, PQ | 17 I 1990-13      | Rec'd 15 I 1990; possibly 07 I                                     |
| DRUMHELLER, AB       | 26 III 1995.      | Error for 1984   |
| KAPUSKASING, ON      | 22 VIII 1988-15   | 1989   |
| KENTVILLE, NS        | 12 V 1988-16      | 1989   |
| LACOMBE, AB          | 18-21 XII 1988.   | 1989; extend period  |
| MASCOUCHE, PQ        | 05 I 1984-17      | Should have been 1985, as the stamp was issued September 21, 1984. |
| MELFORT, SK          | 19-20 III 1983-00 | Should be 1984   |
| MELVILLE, SK         | 07-9 X 1988.0     | Should be XI 1989.0; extend period                                 |
| MIDDLETON, NS        | 29-30 XI 1987-16  | Error for XII 1988-16; new TM                                      |
| PEACE RIVER, BC      | 13 XII 1989.1     | For XII 1988.1   |

|                             |                          |   |
|-----------------------------|--------------------------|---|
| PENTICTON, BC               | 29 II 1996.1             | Error for 29 I 1985.1                                       |
| PORTAGE LA PRAIRIE, MB      | 08 IV 1987=              | Should be 08 V 1988=; 37-cent stamp                         |
| PORT PERRY, ON              | 07 I 1989-17             | Should be 07 I 1990 or XII 1989; stamp issued Oct. 26, 1989 |
| QUESNEL, BC                 | 1-16 III 1987 BL         | Errors for 1988; 17 III okay                                |
| RENFREW, ON                 | 11 IV 1996-08            | Error for IV 1985-08  |
| STE. ADELE, PQ              | 14 XII 1985-18           | Error for 1984  |
| STE. ADELE, PQ              | 13-15 VIII 1985-18       | Should have been VIII 1984-18                               |
| ST. HUBERT, PQ              | 1 IV 1995-08             | Should be 1984, not 1985 as previously reported.            |
| STE. JULIE DE VERCHERES, PQ | 02-08 II 1983-17         | 1984  |
| STE. JULIE DE VERCHERES, PQ | 02-04 IV 1984-05         | 1985  |
| SOREL, PQ                   | 14 III 1986-21           | Error for ?? 1985   |
| STEINBACH, MB               | 24 XI 1986.              | 1987  |
| SUMMERLAND, BC              | 23-25 X 1980 0 (no dash) | Should be XI 1988 0   |
| TERREBONNE, PQ              | 22 I 1985-17             | Should be 1986; scarce TM.                                  |
| TERREBONNE, PQ              | 12 XII 1985-19           | Error for ?? Before 24 IV 1985                              |
| VAL D'OR, PQ                | 24 II 1987-00            | Error for 24 II 1988; corrected same day                    |
| VARENNES, PQ                | 13 VII 1983-18           | Should be 13 XII 1983-18 (EKU)                              |
| WATERLOO, PQ                | 1 X 1984-1               | Should be IX 1984; scarce TM                                |
| WATERLOO, PQ                | 03-05 III 1986-21        | Not III 1986 ???  |

A report has just arrived from Jim Karr with even more errors, as listed and shown below. This report will show the span of some of the errors.

|                    |                     |   |
|--------------------|---------------------|---|
| BURNS LAKE, BC     | 19 II 199 0         | Late date for error, so far                   |
| DRAYTON VALLEY, AB | 12 IV 1990 .        |   |
|                    | 14 V 199 =          | Error for 14 IV 1990                          |
|                    | 17 V 199 =          | Error for 17 IV 1990                          |
|                    | 18 IV 1990 .        | Corrected error, and TM change                |
| LACOMBE, AB        | 03 IV 1989 =        | Error for 03 V 1990 =                         |
|                    | 04 IV 1989 =        | Error for 04 V 1990 =                         |
| SPRUCE GROVE, AB   | 21 V 1990 BL        | Error for 21 IV 1990 BL                       |
|                    | 23 to 25 V 1990 BL  | Error for 23 to 25 IV 1990 BL                 |
|                    | 26 to 30 VI 1990 BL | Errors for 26 to 30 IV 1990 BL                |
| TISDALE, SK        | 26 V 1990=1         | Error for 26 IV 1990=1 (rec'd April 30, 1990) |



A Regina Klüssendorf?

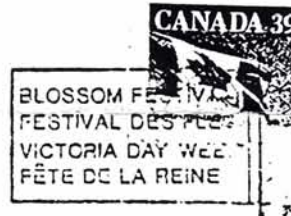
The March-April issue of the Canadian Philatelist has just arrived, with news about the upcoming RPSC meeting in Regina June 8 to 10. There is a plan to have a working Klüssendorf machine at the convention, possibly with a unique Regina dater and a commemorative slogan. Watch for these!

SLOGANS

LISTOWEL, ON. The LKU of our pioneer green slogan is 17 III 1990-18 (left). The EKU of the POSTAL CODE is 19 III 1990-18 (right).



CRESTON, BC. Jim Karr has sent in a photocopy of a 1990 strike of the CRESTON Blossom Festival slogan, shown below. The date is 2 V 1990 1.



POSTAL MUSEUM. Shown here are the LKU of the previous flag (26 IX 1984) and the EKU of the K flag (27 IX 1984-09).



BEAUHARNOIS, PQ. Tom Southey has contributed a copy of this slogan dated 11 VI 1986-18.



Jean Guy Dalpe submitted xeroxes of these 4 slogans:

PORT ALBERNI, BC 12 IX 1988 =0  
 PORT ALBERNI, BC 25 XI 1989-11  
 TRAIL, BC 24 XI 1989.  
 TRAIL, BC 22 XI 1990 =1  
 THOMPSON, MB 15 XII 1989-09

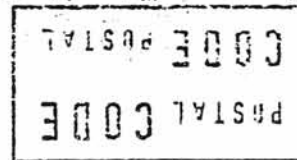
LKD Salmon Festival slogan  
 Fight Lung Disease slogan  
 Lung Disease slogan  
 Error (with slogan) for 1989  
 Lung Disease slogan



QUEBEC, PQ TRIPLE

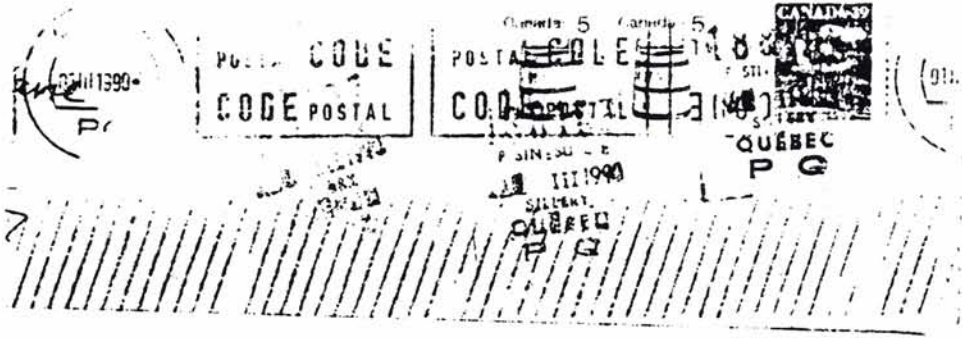
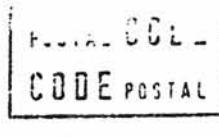
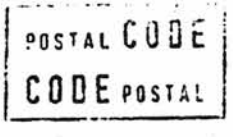
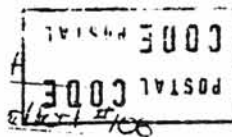
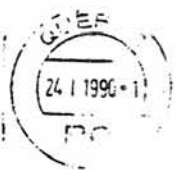
Robert Alary reports strikes of the triple, as follows:

09 II 1990. Normal  
 19 II 1990. Normal-normal-invert (below)



J. J. MacDonald sent in these 3 reports:

24 I 1990.1 Normal  
 01 and 02 III 1990. Normal-normal-invert





Allan says he has finally acquired a small neat commercial cover with the Quebec triple, dated 4 II 1988.0. The cover also has a GIK 3W0 #1 machine cancel., dated 5 II (below).



### CENTRE MasterCard

275, avenue Viger est. bureau 1542-2  
 Montréal (Québec)  
 H2X 3T1

#### PORT ALBERNI, BC.

Have you noticed what has been happening at PORT ALBERNI regarding the timemarks? Note:

|              |        |
|--------------|--------|
| July 1989    | TM .7  |
| August       | TM.8   |
| September    | TM .9  |
| October      | TM -10 |
| November     | TM -11 |
| December     | TM -12 |
| January 1990 | TM -01 |
| February     | TM -02 |
| March        | TM -03 |
| April        | TM -04 |
| May          | TM -05 |

The timemark corresponds to the number of the month. I wonder how long this arrangement will continue.

EARLY DATES. I have recently acquired a lot of early Klüssendorfer covers that included a number of early dates. Some are new EKUs, some confirm EKUs, and some support EKUs.

|                      |  |
|----------------------|--|
| ANCIENNE LORETTE, PQ | 24 XI 1983 BL (second cds 24 NOV 1983)               |
| ARNPRIOR, ON         | 26 III 1984-17                                       |
| BELOEIL, PQ          | 3 I 1984-18  |
| EDMUNDSTON, NB       | 22 VI 1984 BL  |
| GLACE BAY, NS        | 23 III 1984-08                                       |
| GOOSE STATION A, NF  | 22 V 1984.9  |
| GRAND FALLS, NB      | 24 VII 1984 BL                                       |
| HALIBURTON, ON       | 23 III 1984-16                                       |
| HEARST, ON           | 21 III 1984-11                                       |
| HUMBOLDT, SK         | 2 IV 1984-17   |
| HUNTINGDON, PQ       | 06 III 1984-18                                       |
| NORTH SYDNEY, NS     | 16 III 1984-17                                       |
| PORT DOVER, ON       | 26 III 1984-18                                       |
| PORT PERRY, ON       | 30 III 1984-17 (has OTTAWA P/B 2 IV 1984 as support) |
| QUESNEL, BC          | BL III 1984-1  |
| ST. BRUNO, PQ        | 04 I 1984-18   |

|                   |   |
|-------------------|---|
| SOREL, PQ         | 15 V 1984-21 (P/B 14 V 1984)                      |
| STRATHROY, ON     | 14 III 1984-18                                    |
| SWIFT CURRENT, SK | 22 III 1984-15                                    |
| TERREBONNE, PQ    | 22 V 1984-18                                      |
| TISDALE, SK       | 19 III 1984-16                                    |
| TRAIL, BC         | 20 III 1984.                                      |
| VARENNES, PQ      | 13 VII 1983-18 (error - should be 13 XII 1983-18) |
| VERMILION, AB     | 13 IV 1984-17                                     |
| VILLE MARIE, PQ   | 11 VII 1984 BL                                    |

## TIMEMARKS

Now, to get to the long list of timemark information. Many of the reports are changes that took place at the start of 1990. Others are rare timemarks, and so on. Here goes.

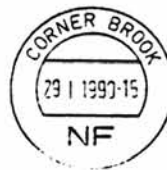
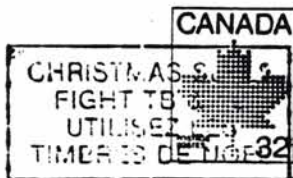
|                    |                         |   |
|--------------------|-------------------------|---|
| 100 MILE HOUSE, BC | 13 II 1990.0            | New TM                                  |
| ALDERGROVE, BC     | 4 X 1985-00             | New TM                                  |
| ALMA, PQ           | 02 I 1990=1             | TM change from .                        |
| ALMONTE, ON        | 24 II 1990-0            | New TM                                  |
| ANTIGONISH, NS     | 28 VIII 1988-26         | New TM with error for 1989.             |
| ARNPRIOR, ON       | 09 IV 199 -09           | New TM with error for 1990              |
| BATHURST, NB       | 27 XII 1989=8           | New TM EKU                              |
| BATHURST, NB       | 23 I 1990=6             |   |
| BEAMSVILLE, ON     | 27 IX 1986 2            | TM confirmation                         |
| BEAUHARNOIS, PQ    | 04 XI 1984-16           | Scarce TM                               |
| BELOEIL, PQ        | 15-16 IV 1984-16        | Scarce TM                               |
| BELOEIL, PQ        | 28-29 X 1985.4          | Scarce TM                               |
| BELOEIL, PQ        | 08 IX 1989-24           | Scarce TM                               |
| BELOEIL, PQ        | 25 IX 1989-25           | LKU this rare TM; -18 used the same day |
| BELOEIL, PQ        | 02 I 1990-19            | New TM EKU (30 XII 1989-18)             |
| BLENHEIM, ON       | 17 III 1984-19          | New TM                                  |
| BOTWOOD, NF        | 15 XII 1989-15          | New TM                                  |
| BOWMANVILLE, ON    | 27-29 XII 1988-18       | Error for 1989; TM change from -09      |
| BRACEBRIDGE, ON    | 02 I 1990-01            | New TM EKU (30 XII 1989-0)              |
| BRADFORD, ON       | 02 I 1990-0             | New TM EKU (30 XII 1989-16)             |
| BRIGHTON, ON       | 11 XII 1984-15          | Confirms TM                             |
| BROOKS, AB         | 02 I 1990.1             | TM change, EKU this period              |
| BUCKINGHAM, PQ     | 02 III 1990=            | New TM                                  |
| BURNS LAKE, BC     | 23 II 1990 BL           | TM change                               |
| CAMROSE, AB        | 20 III 1984 .           | Scarce TM                               |
| CARAQUET, NB       | 02 I 1990.1             | New TM EKU (30 XII 1989 BL)             |
| CHAMBLY, PQ        | 19-26 II 1990-15        | New TM                                  |
| CHANNEL-P.A.B., NF | -11 and -17             | Used in February 1990                   |
| CHELMSFORD, ON     | 03 I 1990.              | TM changed from =                       |
| CHELMSFORD, ON     | 05 I 1990.0             | New TM .0                               |
| CHICOUTIMI, PQ     | 14 II 1990.             | New TM (blank town name)                |
| CLARENVILLE, NF    | 04 XII 1989-22          | New TM                                  |
| COBOURG, ON        | 08 V 1989-1             | Confirms TM                             |
| CORNER BROOK, NF   | 17 V 1984 5 (no dash)   | New TM                                  |
| CORNER BROOK, NF   | 06 I 1985-09            | Scarce TM                               |
| CORNER BROOK, NF   | -13                     | January 1990                            |
| CORNER BROOK, NF   | 29 I 1990-15            |   |
| COWANSVILLE, PQ    | 02 I 1990 1 (no dash)   | New TM EKU                              |
| CRANBROOK, BC      | 26 XI 1988 9            | Scarce TM                               |
| CRANBROOK, BC      | 15 XII 1988 2 (no dash) | Scarce TM                               |

|                      |                        |  |
|----------------------|------------------------|--|
| CRANBROOK, BC        | 05 I 1990.1            | New TM   |
| DAUPHIN, MB          | 23 IX 1988-07          | Scarce TM                                      |
| DAWSON CREEK, BC     | 26 II 1990.0           | New TM   |
| DEEP RIVER, ON       | 20 I 1990-17           | TM error; a Saturday, so should be -11         |
| DEER LAKE, NF        | 19 X 1989-19           | New TM   |
| DEER LAKE, NF        | 19 XII 1989-17         | TM confirmation                                |
| DEER LAKE, NF        | 27 II 1990-19          | New TM   |
| DIGBY, NS            | 13 I 1990.2            | New TM   |
| DORION-VAUDREUIL, PQ |                        | 17 I 1990-13 New TM on error (rec'd 15 I 1990) |
| DRAYTON VALLEY, AB   | 02 I 1990 =1           | New TM   |
| DRAYTON VALLEY, AB   | 17 V 199 =             | New TM   |
| EAST ANGUS, PQ       | 29 I 1990.             | TM change                                      |
| EDSON, AB            | 09 I 1990.2            | New TM   |
| ELLIOT LAKE, ON      | 2 I 1990.              | New TM EKU                                     |
| ESTEVAN, SK          | 04 I 1990.             | TM change from =                               |
| FERNIE, BC           | 05 I 1990.             | TM change from BL                              |
| FORT FRANCES, ON     | 03 I 1990 BL           | TM change from -00                             |
| FORT FRANCES, ON     | 27 II 1990 0 (no dash) | New TM   |
| FORT FRANCES, ON     | 20 III 1990 0          | New TM   |
| GANDER, NF           | 29 XII 1989-12         | Scarce TM                                      |
| GANDER, NF           | -14, -15, -18          | Used in January 1990                           |
| GATINEAU, PQ         | 31 X 1984-01           | Scarce TM                                      |
| GATINEAU, PQ         | 02-04 I 1990 BL        | New TM from 30 XII 1989 = LKU                  |
| GATINEAU, PQ         | 05 I 1990-00           | New TM   |
| GATINEAU, PQ         | 12 II 1990 BL          | TM change from -00                             |
| GOLDEN, BC           | 29 XI 1988.0           | New TM with error for 1990.                    |
| GOLDEN, BC           | 22 II 1990 BL          | New TM   |
| GOLDEN, BC           | 23 II 1990 BL          | TM confirmed                                   |
| GRAND FALLS, NB      | 24 VII 1984 BL         | Scarce TM; possibly EKU                        |
| GRAND FORKS, BC      | 1 XII 1989.2           | New TM with error for 1990.                    |
| HAPPY VALLEY, NF     | 04 VIII 1989-16        | Scarce TM                                      |
| HAWKESBURY, ON       | 02 I 1990 BL           | TM change, last used 1984                      |
| HIGH RIVER, AB       | 02 I 1990=             | TM change (30 XII 1989 =0)                     |
| HINTON, AB           | 02 I 1990.1            | TM change (30 XII 1989 BL)                     |
| HUNTSVILLE, ON       | 2 I 1990.              | TM change (29 XII 1989 0)                      |
| KAPUSKASING, ON      | 27 III 1984 8 no dash  | Scarce TM                                      |
| KEMPTVILLE, ON       | 28 III 1989-14         | New TM; -17 back next day                      |
| KEMPTVILLE, ON       | 19 XII 1989-18         | New TM   |
| KEMPTVILLE, ON       | 23 XII 1989-18         | Saturday (normal Sat. TM -12)                  |
| KENTVILLE, NS        | 08 II 1990-18          | TM changed from -22                            |
| KIRKLAND LAKE, ON    | 02 I 1990.1            | TM change (see below)                          |
| KIRKLAND LAKE, ON    | 02 I 1990 BL           | TM change (2 timemarks on same day)            |
| LABRADOR CITY, LB    | 12 IX 1988 =7          | Scarce TM                                      |
| LABRADOR CITY, LB    | -12 and -17            | February 1990                                  |
| LACOMBE, AB          | 01 I 1990=1            | TM change; New Years Day                       |
| LA MALBAIE, PQ       | 30 I and 23 II 1990.1  | New TM   |
| L'ASSOMPTION, PQ     | 02 I 1990-00           | New TM EKU                                     |
| LIVERPOOL, NS        | 28 VII (turned year) 7 | New TM (cf. page 67 - year 2004?)              |
| LUNENBURG, NS        | 10 I 199 =1            | New TM with error for 1990                     |
| MACKENZIE, BC        | 5 II 1990 BL           | New TM   |
| MARIEVILLE, PQ       | 21 I 1990-09           | New TM with error for 21 XII 1989-09           |
| MATANE, PQ           | 05 I 1988-09           | New timemark                                   |
| MELVILLE, SK         | 02 I 1990.0            | TM change                                      |
| MERRITT, BC          | 12 III 1990 BL         | New TM   |
| MILTON, ON           | 05 I 1990-09           | New TM   |

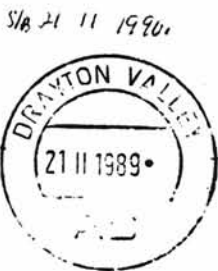
|                    |                        |  |
|--------------------|------------------------|--|
| MONT JOLI, PQ      | 06 I 1990.             | TM change  |
| MONT LAURIER, PQ   | 13 IV 1984-19          | Scarce TM  |
| MORDEN, MB         | 04 I 1990 BL           | TM change  |
| MOUNT PEARL, NF    | 03 VII 1989-16         | TM error, Monday (TM -14 or -18 usual with TM -16 Sat. only) |
| NAPANEE, ON        | 17 X 1988-15           | Scarce TM  |
| NAPANEE, ON        | 11 XII 1989-06         | Scarce TM  |
| OLDS, AB           | 16 I 1990 BL           | TM change  |
| OLIVER, BC         | 25 IV 1989.9           | New TM   |
| OROMOCTO, NB       | 2 I 1990-06            | New TM EKU (30 XII 1989-16)                                  |
| OSOYOOS, BC        | 07 & 28 III 1990.1     | New TM   |
| PARRY SOUND, ON    | 16 V 1989-16           | EKU for this TM  |
| PARRY SOUND, ON    | 03 I 1990.             | New TM   |
| PEACE RIVER, AB    | 02 I 1990=             | New TM EKU   |
| PERTH, ON          | 2 I 1990.              | TM change EKU this period; last used 1984                    |
| PICTOU, NS         | 02 I 1990-08           | New TM EKU   |
| PICTOU, NS         | 16 II 1990-17          | TM change  |
| PORT ALBERNI, BC   | 04 XII 1984 7          | With Christmas slogan; scarce TM                             |
| PORT ALBERNI, BC   | 05 I 1990-01           | New TM   |
| PORT ALBERNI, BC   | 26 II 1990-02          | New TM   |
| PORT ALBERNI, BC   | 1 III 1990-03          | New TM   |
| PORT CARTIER, PQ   | 03 I 1990.             | TM change  |
| POWELL RIVER, BC   | 23 II 1990-0           | New TM   |
| QUALICUM BEACH, BC | 04 I 1990 1 (no dash)  | New TM   |
| QUESNEL, BC        | 04 II 1988.1           | LKU TM this period   |
| QUESNEL, BC        | 02-03 I 1990 =1        | New TM   |
| QUESNEL, BC        | 04 I 1990=             | New TM   |
| RICHMOND, PQ       | 13 II 1990 BL          | TM change from .   |
| ROBERVAL, PQ       | 22 I 1990.1            | New TM   |
| STE. ADELE, PQ     | 26 II 1986.4           | New TM   |
| STE. ADELE, PQ     | 2 VII 1985-10          | New TM   |
| STE. ADELE, PQ     | 02 I 1990-18           | TM change from -17   |
| ST. BRUNO, PQ      | 05 VI 1984=            | Confirms TM  |
| ST. BRUNO, PQ      | 20 II 1990.            | TM change from .0  |
| ST. CONSTANT, PQ   | 02 II 1990 BL          | TM change from 1   |
| ST. HUBERT, PQ     | 09 IV 1986-12          | Scarce TM  |
| SACKVILLE, NB      | 06 I 1990-10           | New TM   |
| SHEDIAC, NB        | 04 I 1990.             | TM change  |
| SMITHS FALLS, ON   | 02 I 1990=             | TM change  |
| SOREL, PQ          | 2 IX 1984-16           | Scarce TM  |
| SOREL, PQ          | 10 I 1986-24           | Confirms scarce TM   |
| SPRINGHILL, NS     | -18                    | New TM for 1990  |
| SPRINGHILL, NS     | 13 II 199 -0           | New TM with error for 1990                                   |
| SPRINGHILL, NS     | 18-22 I 199 -09        | New TM with error for 1990                                   |
| STEINBACH, MB      | 03 I 1990=             | New TM   |
| STEPHENVILLE, NF   | 05 I 1990-21           | Scarce TM  |
| SUMMERLAND, BC     | 04 I 1990.             | TM change  |
| SWIFT CURRENT, SK  | 22 III 1984-15         | EKU and new TM   |
| SWIFT CURRENT, SK  | 2 I 1990 BL            |  |
| TERRACE, BC        | 04 I 1990.             | TM change  |
| THE PAS, MB        | 22 III 1988-06         | Scarce TM  |
| THE PAS, MB        | 24 II & 18 III 1988-17 | Scarce TM  |
| THE PAS, MB        | 20 XII 1989-14         | New TM   |
| THE PAS, MB        | 21 XII 1989-13         | Scarce TM  |
| THREE HILLS, AB    | 03 I 1990.             | New TM   |
| TISDALE, SK        | 19 III 1984-16         | Scarce TM and possibly EKU                                   |

|                   |                     |                                |
|-------------------|---------------------|--------------------------------|
| VANDERHOOF, BC    | 23 VI 1989.         | New TM                         |
| VANDERHOOF, BC    | 04 I & 05 III 1990= | New TM                         |
| WATERLOO, PQ      | 1 X 1984-1          | Scarce TM, with error          |
| WATERLOO, PQ      | 08 I 1990 BL        | TM change from 0               |
| WESTBANK, BC      | 07 III 1990 =1      | New TM                         |
| WESTLOCK, AB      | 04 I 1988 1         | Fairly early use of this TM    |
| WESTLOCK, AB      | 02 I 1990.3         | New TM EKU                     |
| WEYBURN, SK       | 02 I 1990 =         | New TM                         |
| WHISTLER, BC      | 19 II 1990.0        | TM change from .               |
| WHITEHORSE, YT    | 03 I 1990 .         | TM change (30 XII 1989 was BL) |
| WHITEHORSE, YT    | 2 II 1990 BL        | Changed back from .            |
| WILLIAMS LAKE, BC | 28 I 1989=          | LKU timemark this period       |
| WINDSOR, NS       | 20 XII 1989-19      | New TM                         |
| WINDSOR, PQ       | 02 I 1990=2         | New TM EKU                     |

And after all those TM updates, it's time for some pictures of interesting TMs for the rest of the page. Thank you all for the reports and for the photocopies below.



**Pacific Rim Airlines Ltd.**  
  
 BOX 1198, PORT ALBERNI, B.C. V8Y 7M1



# K mart

This is the first adlet column. Two members have sent in entries, and I've added my own. We'd be glad to publish your want lists!

**Bob Thorne**, 6 Milford Cres., Brampton, Ontario K6S 3E4 Phone: 792-3526

Would like to trade for: Abbotsford, Alexandria POSTAL CODE, Altona, Ancienne-Lorette, Bell Island, Chateauguay, Grand Falls, NB, Hauterive, Kenora, Ladysmith, Langley, Leduc, North Battleford, Port Coquitlam, Quebec #1, Quebec 3-piece invert, Sherbrooke, Ste. Eustache, St. Hubert, Vernon, Whistler. Also need slogans: Cranbrook, Edson - 75 years, Kentville, Melfort, Merritt, North Sydney, Picton - Quinte, Port Alberni - Salmon, Richmond, PQ, Sherbrooke, Thompson, Tisdale, Whitehorse, Yarmouth. Plus other years, and slogans by year.

**Allan L. Steinhart**, 45 Dunfield Avenue, Apt. 1910, Toronto, Ontario M4S 2H3

I need Langley, Abbotsford, 1988 St. Constant, 1986 Ladysmith, EKUs of towns, ERUs and LRUs of slogans and timemarks, errors. Will purchase or trade. I have thousands of Ks priced individually - TMs, slogans, errors, towns, inverts. I also have 1000s of bulk Ks for sale at 3 cents each in lots of 1000 to 25,000.

**Gray Scrimgeour**, 227 Hanna Road, Toronto, Ontario M4G 3P3

I prefer tidy #8 envelopes or cards with full, clear strikes of Ks - with no black bars. Would be glad to swap for similar material.. Have a fair variety of tidy traders. Of course, always willing to buy the rarities like Abbotsford, Langley, or the Sherbrooke slogan.

## STUDY GROUP NEWS

I should have put this notice in last issue, but was cramped for space. This is your last issue of the Klüssendorfer if your dues are not paid. If there is a red X at the top of the first page, our records indicate that your dues remain unpaid. We could be wrong. If we are, please let us know. We want you to stay with us. Please send in your dues if you haven't paid already. To those who have paid your dues, thank you.

The membership list published last issue is for the use of our members only. This is so that you can correspond with other K collectors. Please keep the list private.

We've had a number of replies to update and correct the long roster in issue #9. Keep those corrections and additions coming to Allan, please! Photocopies are helpful when you report the data. Perhaps we can publish such a list about once a year.

Allan notes that during the past year he started a sub-collection of K covers using the new 38-cent self-adhesive flag stamp. So far, he has accumulated covers from 75 different Klüssendorfer towns using this stamp. He's wondering if others have sideline K collections? (I watch for attractive multiple strikes of K cancels; kgs.)

ST BRUNO, PQ. Robert Alary has sent us an interesting current error from St. Bruno, dated 17 II 199 . as shown below. You'll be seeing other reports of this error.



Days in the Timemark Slot. A number of towns such as CHATHAM and SMITHERS have days in the TM slot. We'd like to have reports of these. Here are a few:

PORT ALBERNI, BC  
 QUESNEL, BC  
 QUESNEL, BC  
 SMITHERS, BC

BL III 1984-16  
 BL III 1984-1 Also is ERU  
 BL III 1984-20 & 29  
 BL IV 1984-02

SMITHERS, BC in purple. I have three reports of this town using purple ink in 1990. The strikes are during the period of 06 to 14 II 1990 and on 4 IV 1990.

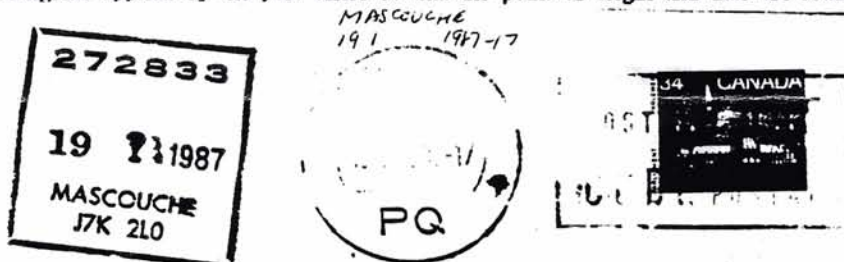
## MORE ERRORS

After I typed the column of errors on pages 174-176, I received more reports, and found a few that I had missed. These are listed below. Some may confirm previous reports or extend periods of the errors, and others will be new reports. I never thought that we could come up with as many date errors for one issue as we have. The fact that many are from early years of K usage show that they have always been out there, but that all you hawkeyes are now seeing them and reporting them for the first time. Keep it up.

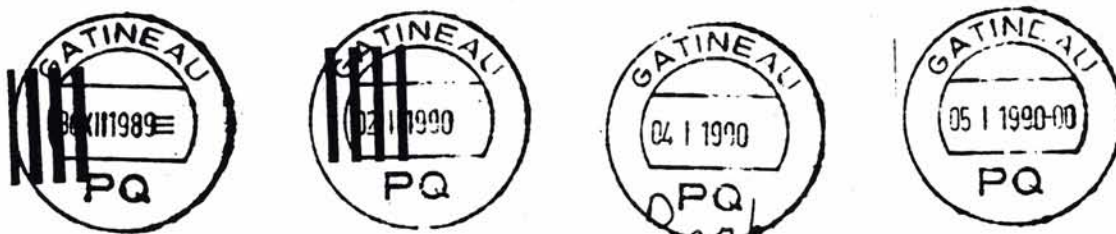
|                    |                                |   |
|--------------------|--------------------------------|---|
| ALLISTON, ON       | 1 I 1990-16                    | New Years Day - an error?                                   |
| AMHERST, NS        | 08-23 V 1980-1                 | Should be V 1989-1; extend period.                          |
| ANTIGONISH, NS     | 28 VIII 1988-26                | Error for 1989-26; new TM                                   |
| ARNPRIOR, ON       | 09 IV 199 -09                  | Should be 09 III 1990-09                                    |
| ARNPRIOR, ON       | 12 III 199 -09                 | Error for 12 III 1990-09                                    |
| AYLMER WEST, ON    | 17 VII 1988-18                 | Should be 17 VI 1988-18                                     |
| BORDEN, ON         | 18 III 1990-17                 | Sunday - probably error for 19 III 1990;<br>no Sunday uses. |
| BORDEN, ON         | 01 I 1990-17                   | New Years Day error; should be 01 II 1990                   |
| BRIGHTON, ON       | 01-05 IV 1990-08               | Error for III 1990  |
| BUCKINGHAM, PQ     | 12-15 I 1989.0                 | Error for I 1990.0  |
| BUCKINGHAM, PQ     | 05-12 II 1989.0                | Error for II 1990.0   |
| BURNS LAKE, BC     | 08 I-14 II 199 0               | Extend period in both directions                            |
| CARBONAR, NF       | 27 VII 1988-16                 | Should be 1989  |
| CARLETON PLACE, ON | 33 VIII 1989-18                | Impossible date   |
| CHAMBLY, PQ        | 38 II 1989-15                  | Error for 28 II 1990-15. Impossible date                    |
| CORNER BROOK, NF   | 15 IX 1988-22                  | Error for 1989 (38-cent stamp)                              |
| CRANBROOK, BC      | 31 II 1990.1                   | Should be 31 I 1990.1                                       |
| CRANBROOK, BC      | 07-30 X 1988 BL                | Should be 1989; extend period                               |
| DAUPHIN, MB        | 18 III 1990-24                 | Sunday error; should be Monday the 19th                     |
| DAWSON CREEK, BC   | 13-16 II 1989.                 | Error for 1990  |
| DRAYTON VALLEY, AB | 05-21 II 1989.                 | Error for 1990  |
| EDSON, AB          | 31 I 1989 BL                   | Should be 31 I 1990 BL                                      |
| ESTEVAN, SK        | 05 I 1998.                     | Error for 1988  |
| FORT FRANCES, ON   | 20-30 II 1990 BL               | Should be I 1990; extend period                             |
| FORT FRANCES, ON   | 20 I and 22 II 1990 BL         | On same cover; one is an error.                             |
| GANANOQUE, ON      | 21 I 1990-18                   | Sunday error; should be 22 I.                               |
| GOOSE STN. A, NF   | 21 XI 1999-09                  | Probably October, 1988                                      |
| GOLDEN, BC         | 29 XI 1988.0                   | Error for 29 I 1990.0; new TM                               |
| GRAND FORKS, BC    | 3 I 1990.1                     | Error for 3 II 1990.1 - batch all Jan., Feb.                |
| HUNTSVILLE, ON     | 19 IV 199 .                    | Error for 19 III 1990.                                      |
| KAPUSKASING, ON    | 31 XI 1990-15                  | Should be ?? 1989; impossible date.                         |
| KAPUSKASING, ON    | 18-22 VIII 1988-15             | Errors for VIII 1989-15; extend period                      |
| KIRKLAND LAKE, ON  | 30 II 200 .                    | Should be 30 I 1990.  |
| LACOMBE, AB        | 28 III 1987 -22                | Error for 28 II 1990-22                                     |
| LOUISEVILLE, PQ    | 07-12                          | III 1990-18; should be II 1990 (rec'd Mar. 2)               |
| MACKENZIE, BC      | 12-24 XI 1980-2                | Should be 12 X 1989-2; extend period                        |
| MARIEVILLE, PQ     | 21 I 1990-09                   | Should be 21 XII 1989-09; new TM                            |
| MASCOUCHE, PQ      | 15-20 III 1990-17              | Should be II 1990 (rec'd Mar. 12)                           |
| MEAFORD, ON        | 01-19 III 1989-16              | 1990  |
| MIDLAND, ON        | 07-10 III 1990.                | Should be II 1990 (rec'd Mar. 2)                            |
| NELSON, BC         | 04-14 VII 1988 BL              | Error for VIII 1989 BL; extend                              |
| NELSON, BC         | 34 VIII 1988 or 9              | Should be VIII 1989 BL; impossible date.                    |
| NEW HAMBURG, ON    | 01 III 1990-17 & 01 II 1990-17 | same cover; error and corr'n                                |

|                   |                   |  |
|-------------------|-------------------|--|
| NEW WATERFORD, NS | 07 III 1990-16    | Error for II 1990 (rec'd Mar. 2)                         |
| NORTH SYDNEY, NS  | 28 II 1999-26     | Should be 28 II 1990-26                                  |
| PARIS, ON         |                   | 06 & 13 III 1990-18 Error for II 1990 (5, 7 and 12 okay) |
| QUESNEL, BC       | 2 VI 1988.        | 1989   |
| ROUYN-NORANDA, PQ | 27-30 IX 1988=    | Should be 1989; extend                                   |
| ROUYN-NORANDA, PQ | 25 XII 1989=      | Christmas, but 39-cent stamp. 25 I 1990?                 |
| ST. BRUNO, PQ     | 18-19 III 199 .   | I 1990.  |
| ST. BRUNO, PQ     | 18 & 23 I 199 .   | I 1990.  |
| ST. BRUNO, PQ     | 20 II 199 .       | Should be I 1990.  |
| ST. FELICIEN, PQ  | 01 III 1989.      | 1990   |
| SMITHS FALLS, ON  | 01 III 1990=      | Error for III; repeat of previous error each year.       |
| SPRINGHILL, NS    | 09 & 13 II 199 -0 | Error for 09 & 13 II 1990-0; new TM                      |
| SPRINGHILL, NS    | 18-22 I 199 -09   | Error for 18-22 I 1990-09; new TM                        |
| SUMMERLAND, BC    | 02 X 1980.1       | Should be 02 X 1989.1                                    |
| TERREBONNE, PQ    | 05 III 1990-20    | Should be II 1990 (rec'd Mar. 2)                         |
| THE PAS, MB       | 10 XII 1989-18    | Error for 10 I 1990-18 (39-cent stamp)                   |
| UXBRIDGE, ON      | 15 III 1983=      | Should be 1984   |
| WESTLOCK, AB      | 23 VI 1989=4      | Another report   |
| WHISTLER, BC      | 31 II 1990.       | Should be 31 I 1990.                                     |
| WINDSOR, ON       | 04-09 IV 1988.2   | Should be III; extend period.                            |
| WOODSTOCK, ON     | 01 I 1990 6       | Should be 01 II 1990 6                                   |

UNDERINKED Ks. Many K cancels are underinked. Some are so bad that the town name and or date is unreadable. For example, Jean Guy Dalpe has reported the HOPE, BC blank townmark. Below, this underinked strike of MASCOUCHE, PQ 19 I 1987-17 has the POCON cancel struck alongside applied by the post office so that the point of origin and date are readable with the poor K strike.



GATINEAU, PQ. Something unusual happened at GATINEAU early in 1990. The timemark = was used up to 31 XII 1989, which in itself is an unusual day to record - a Sunday before the holiday on New Years Day. On 02 I 1990, the first day after New Years Day, the new TM BL was used but only for three days (02, 03 and 04 I 1990). On 05 I 1990, a new timemark -00 was put into use until the LKU of 07 II 1990-00. On 08 II 1990, the TM was changed to BL again.



NEW YEARS DAY. Either New Years Day dates or errors are shown below from PORTAGE LA PRAIRIE, SIMCOE, and STE. JULIE DE VERCHERES.



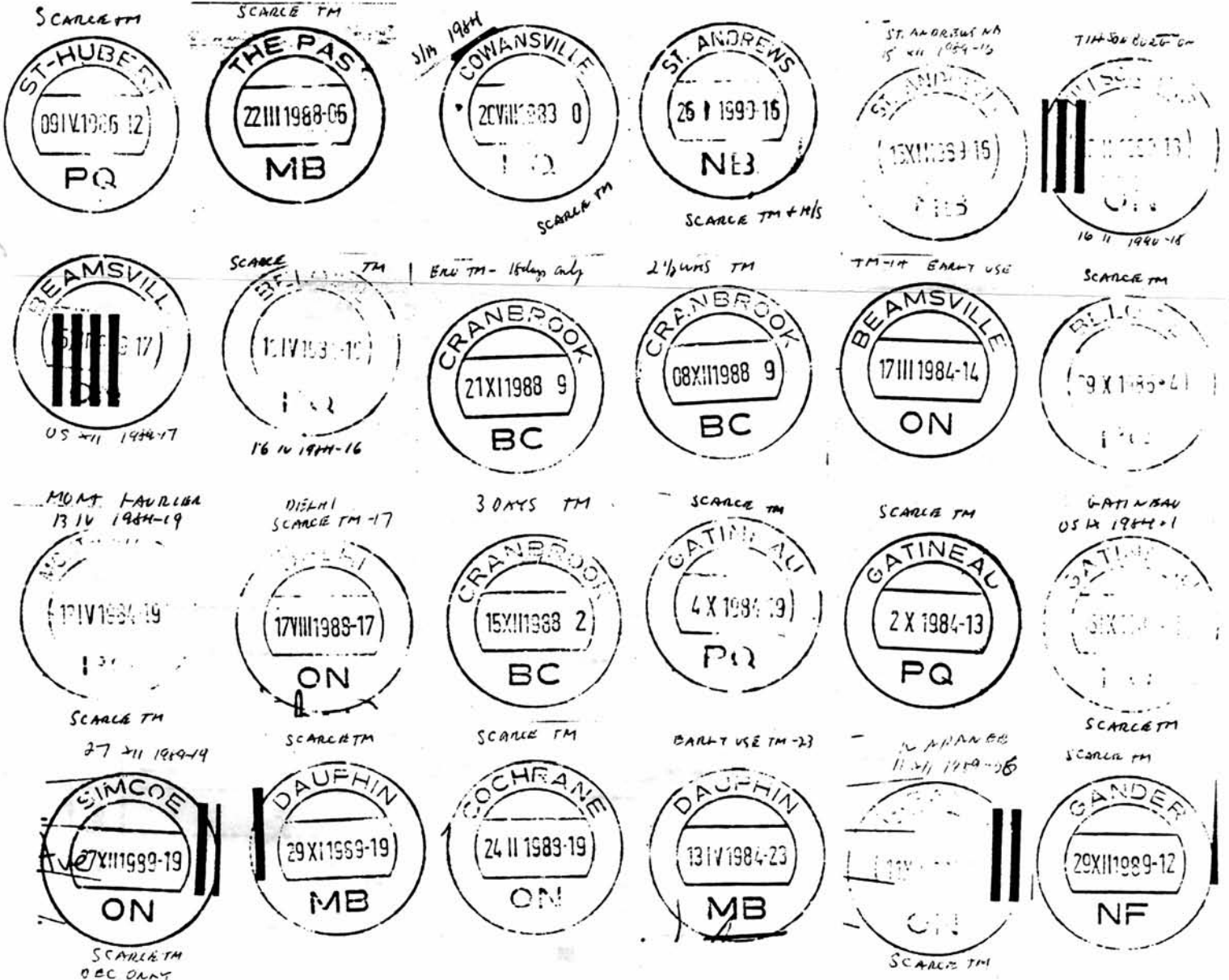




SCARCE DATE. A tough date to find is a strike from December 31, 1989, the Sunday before New Years Day. Shown above are 31 XII 1989 strikes from SPRUCE GROVE and DORION-VAUDREUIL.

Finished another issue. Hope you find it useful. I still have material from a few reports, but most got into this issue. I am holding a section on EKUs for Issue #11. I'll finish off with some pictures of scarce TMs, and the final page of Greig's listing forms. Have a good summer, and we'll see you with the next issue sometime during the summer.

SOME SCARCE TMs



|    | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sept | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sept | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sept | Oct | Nov | Dec |
|----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|
| 1  |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |
| 2  |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |
| 3  |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |
| 4  |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |
| 5  |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |
| 6  |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |
| 7  |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |
| 8  |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |
| 9  |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |
| 10 |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |
| 11 |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |
| 12 |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |
| 13 |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |
| 14 |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |
| 15 |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |
| 16 |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |
| 17 |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |
| 18 |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |
| 19 |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |
| 20 |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |
| 21 |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |
| 22 |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |
| 23 |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |
| 24 |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |
| 25 |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |
| 26 |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |
| 27 |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |
| 28 |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |
| 29 |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |
| 30 |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |
| 31 |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |