ME. JULY 31/80

B

TORNADO PROJECT SUMMARY SHEET

F=1 ONT

1. DATE AND TIME 4pm EDT WED JUNE 25 1958

2. LOCATION OR PATH FROM SOUTHWEST OFF LAKE ERIE BETWEEN KINGSVILLE (attach map) AND LEAMINGTON

06958-01

3. PATH LENGTH ☐ NOT KNOWN ☐ <1mi; ☒ 2 1-4mi; ☐ 5-10mi; ☐ 11-50mi; ☐ LENGTH IF>50mi

4. PATH WIDTH UNKNOWN 5. TORNADO PART OF SQUALL LINE? ☐ YES; ☐ NO; ☐ UNKNOWN:

6. ANY UNUSUAL COLORATION? ☐ YES; ☐ NO; ☑ UNKNOWN

7. ANY UNUSUAL SOUND? ☑ YES; ☐ NO; ☐ UNKNOWN

8. IF ANSWER TO 6 OR 7 YES, ELABORATE; (7) CHARACTERISTIC ROAR OF THE WIND SENT WORKMEN FLEEING FROM BUILDINGS SECONDS BEFORE THEY WERE BLASTED. WORKMEN AT THE GREENHOUSES "HEARD A ROAR LIKE A HUNDRED TRAINS"

9. LIST ANY ASSOCIATED PHENOMENA (Such as hail, vivid lightning heavy rain, no rain, etc.) ACCOMPANIED BY TORRENTIAL RAIN "CLOUDBURST" MORE THAN 2" OF RAIN IN "SHORT" SPACE OF TIME

10. TOTAL DAMAGE ESTIMATE $EXCEED 500,000 11. TOTAL DEATHS NONE

12. TOTAL INJURED NONE 13. TOTAL HOMELESS NONE

14. LIST ALL REFERENCES WINDSOR STAR JUNE 26 1958

PHONED MR POLICELLA'S SON, 519-326-2265. FOR LOCATION OF FARM. JULY 31/80, (P. ELMS).

15. SUMMARIZE REMARKS PERTAINING TO (a) FUNNEL; (b) INTERESTING OR CAPRICIOUS EVENTS.

NO FUNNEL OBSERVED.

BUT, TREES AT THE REAR OF THE MR POLICELLA HOUSE WERE TWISTED TO RIBBONS IN THE CHARACTERISTIC FASHION OF A TORNADO SECTIONS OF THEM CARRIED 100'

FIRST HIT AT THE FARM OF MARIO POLICELLA, HIGHWAY 18, RR1 KINGSVILLE "SHOOK THE HOUSE TILL THE PLASTER FELL, AND WINDOWS WERE BLOWN IN". "I LOOKED OUT AND SAW THE BARN BLOWING AWAY." WIND TORE SHEET ALUMINUM ROOFING FROM THE BARN, CRUMPLED IT "LIKE TINSEL," AND CARRIED IT 500' DOWN THE ROAD.

AFTER HITTING THIS FARM IT HEDGE-HOPPED ABOUT A MILE BLASTING SQUARELY AT THE ½ MILLION DOLLAR, 5 ACRE GREENHOUSE PLANTATION OF SUNNILAND FARMS

THE BLASTING WIND RIPPED THE ROOF OFF ONE SECTION OF THE BUILDING, HURLING PIECES OF IT 100' AWAY, FLATTENING A CONCRETE BLOCK WALL AND TWISTING A 4" CAST IRON PIPELINE LIKE STRING

GREENHOUSES WERE LITERALLY TORN APART WITH FRAMES TWISTED AND BENT, AND GLASS SCATTERED OVER MANY HUNDREDS OF FEET.

THE PLANTATION WAS VISITED BY ANOTHER TORNADO 3YRS AGO AT THAT TIME. A SECTION OF THE ACCESS BUILDING WAS BLOWN DOWN.

PHONE CONVERSATION WITH MR POLICELLA'S SON, JULY 31 1980: SAID THAT THE HOUSE ROOF WAS TAKEN OFF, ALSO THE BARN ROOF WAS REMOVED AND CARRIED OVER THE HOUSE.

WORKSHEET 0695801

ORIGIN x 17363100
y 4654700

Standard Error S_x
C 100

LIFT-OFF x_1 17365200
y_1 4657200

Standard Error S_y
C 100

$(x_1 - x)$ = 2100
$(y - y_1)$ = 2500

DAMAGE LENGTH

$$L = [(x_1 - x)^2 + (y - y_1)]^{1/2}$$

$$= 3265 \text{ m}$$

Standard Error $S_L = (S_x^2 + S_y^2)^{1/2}$

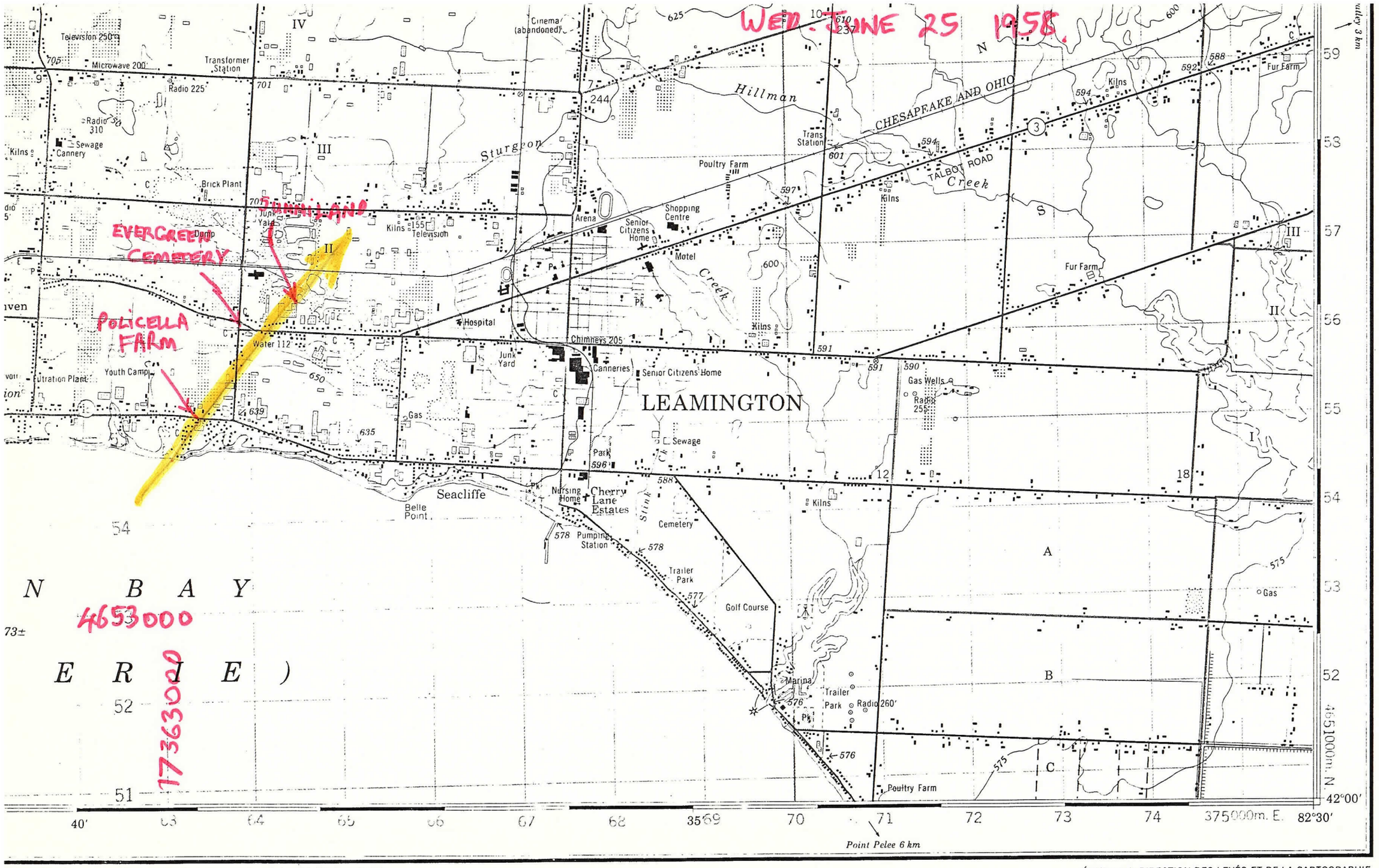
$$= 141 \text{ m}$$

$$\beta = \frac{S_L}{57.29 L} \quad (\tan^{-1})$$

$$= 2^\circ$$

$$\alpha = \tan^{-1} \frac{|y - y_1|}{|x - x_1|} = 50^\circ$$

$$\phi = 220^\circ$$



95 96 97

REFERENCE POINT
POINT DE REPÈRE HURCH - É

EASTING: Read number on grid line immediately to left of point:
LONGITUDE EST: Noter le chiffre de l. du quadrillage immédiatement à du repère:
Estimate tenths of a square from this line eastward to point:
Estimer le nombre de dixièmes du entre cette ligne et le repère en di

NORTHING: Read number on grid line immediately below point:
LATITUDE NORD: Noter le chiffre de l du quadrillage immédiatement en du repère:
Estimate tenths of a square from this line northward to point:
Estimer le nombre de dixièmes du entre cette ligne et le repère en di
GRID REFERENCE:
RÉFÉRENCE AU QUADRILLAGE:

Nearest similar grid reference 100.000
La prochaine référence similaire est à 100.0

TABLEAU D'ASSEMBLAGE DU
DE RÉFÉRENCE CARTO

40 J/6	40 J/7
40 J/3	40 J/2
USA	40 G/15

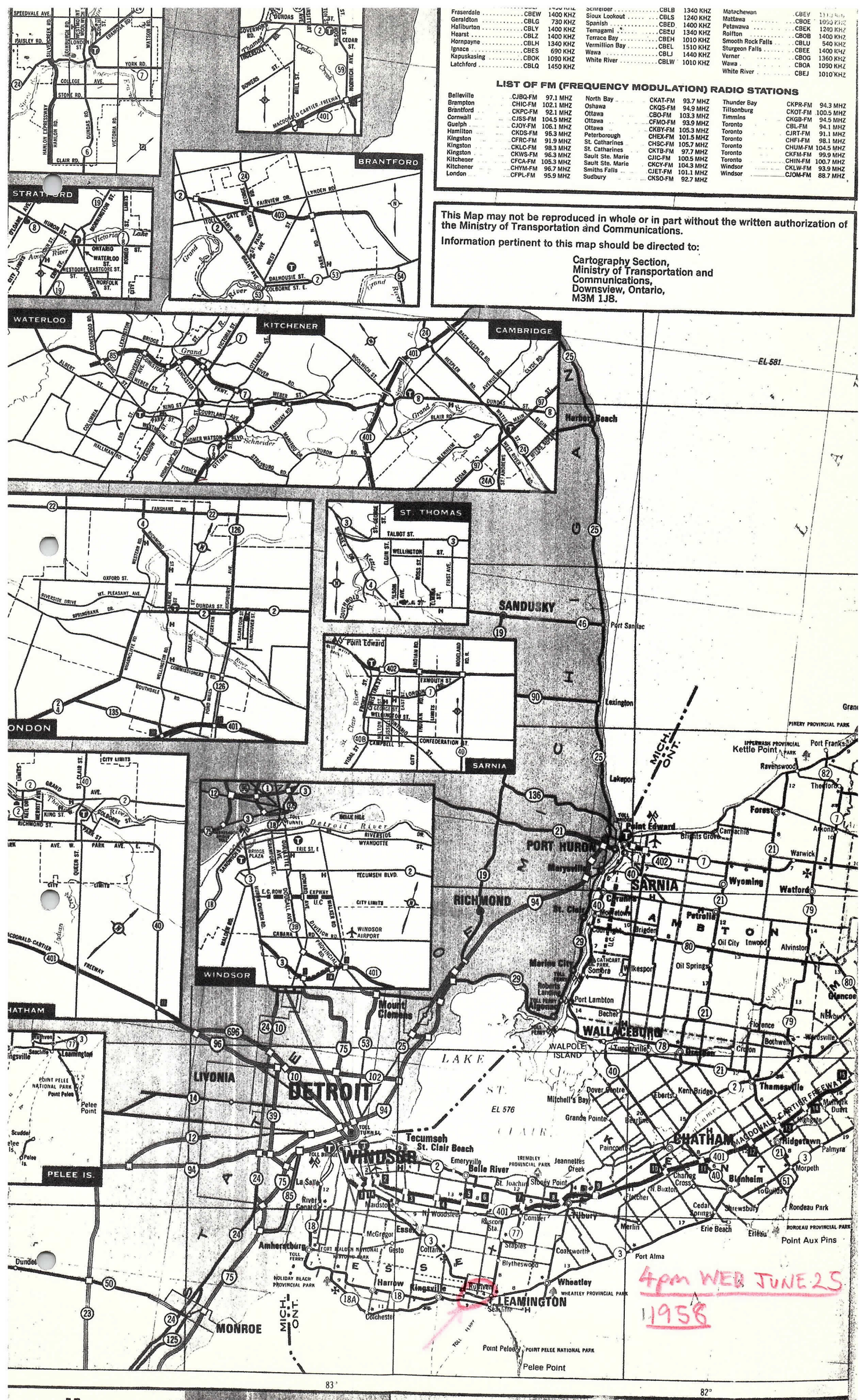
INDEX TO ADJOINING
THE NATIONAL TOPOGRA

elevation of bench
etic Survey. Surveys

On peut obtenir des renseignements sur le lieu et l'altitude exacte des repères de nivellement en écrivant aux Levés géodésiques, Direction des levés et de la cartographie, Ottawa.

OR ELEVATIONS ECHELLE DE CONVERSION DES ÉLÉVATIONS

Établie par la DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES. Mise à jour à l'aide de photographies aériennes prises en 1976. Vérification des ouvrages en 1976. Renseignements à jour en 1976.


Fraserdale CBEW 1400 KHZ
Geraldton CBLG 730 KHZ
Haliburton CBLY 1400 KHZ
Hearst CBLZ 1400 KHZ
Hornpayne CBLH 1340 KHZ
Ignace CBES 690 KHZ
Kapuskasing CBOK 1090 KHZ
Latchford CBLQ 1450 KHZ
Schreiber CBLB 1340 KHZ
Sioux Lookout CBLS 1240 KHZ
Spanish CBED 1400 KHZ
Temagami CBEU 1340 KHZ
Terrace Bay CBEH 1010 KHZ
Vermillion Bay CBEL 1510 KHZ
Wawa CBLJ 1440 KHZ
White River CBLW 1010 KHZ
Matachewan CBEV
Mattawa CBOE 1050 KHZ
Petawawa CBEK 1240 KHZ
Rolfton CBOB 1400 KHZ
Smooth Rock Falls CBLU 540 KHZ
Sturgeon Falls CBEE 1400 KHZ
Verner CBOG 1360 KHZ
Wawa CBOA 1090 KHZ
White River CBEJ 1010 KHZ
LIST OF FM (FREQUENCY MODULATION) RADIO STATIONS
Belleville CJBQ-FM 97.1 MHZ
Brampton CHIC-FM 102.1 MHZ
Brantford CKPC-FM 92.1 MHZ
Cornwall CJSS-FM 104.5 MHZ
Guelph CJOY-FM 106.1 MHZ
Hamilton CKDS-FM 95.3 MHZ
Kingston CFRC-FM 91.9 MHZ
Kingston CKLC-FM 98.3 MHZ
Kingston CKWS-FM 96.3 MHZ
Kitchener CFCA-FM 105.3 MHZ
Kitchener CHYM-FM 96.7 MHZ
London CFPL-FM 95.9 MHZ
North Bay CKAT-FM 93.7 MHZ
Oshawa CKQS-FM 94.9 MHZ
Ottawa CBO-FM 103.3 MHZ
Ottawa CFMO-FM 93.9 MHZ
Ottawa CKBY-FM 105.3 MHZ
Peterborough CHEX-FM 101.5 MHZ
St. Catharines CHSC-FM 105.7 MHZ
St. Catharines CKTB-FM 97.7 MHZ
Sault Ste. Marie CJIC-FM 100.5 MHZ
Sault Ste. Marie CKCY-FM 104.3 MHZ
Smiths Falls CJET-FM 101.1 MHZ
Sudbury CKSO-FM 92.7 MHZ
Thunder Bay CKPR-FM 94.3 MHZ
Tillsonburg CKOT-FM 100.5 MHZ
Timmins CKGB-FM 94.5 MHZ
Toronto CBL-FM 94.1 MHZ
Toronto CJRT-FM 91.1 MHZ
Toronto CHFI-FM 98.1 MHZ
Toronto CHUM-FM 104.5 MHZ
Toronto CKFM-FM 99.9 MHZ
Toronto CHIN-FM 100.7 MHZ
Windsor CKLW-FM 93.9 MHZ
Windsor CJOM-FM 88.7 MHZ
This Map may not be reproduced in whole or in part without the written authorization of the Ministry of Transportation and Communications.
Information pertinent to this map should be directed to:
Cartography Section,
Ministry of Transportation and Communications,
Downsview, Ontario,
M3M 1J8.
BRANTFORD
STRATFORD
WATERLOO
KITCHENER
CAMBRIDGE
ST. THOMAS
SARNIA
WINDSOR
CHATHAM
PELEE IS.
LONDON
SANDUSKY
PORT HURON
DETROIT
LIVONIA
MONROE
LAKE ST. CLAIR
LAKE ERIE
MICH.
ONT.
Harbor Beach
Port Sanilac
Lexington
Port Franks
Kettle Point
Ravenswood
Thedford
Forest
Point Edward
Brights Grove
Camlachie
Arkona
Warwick
Wyoming
Watford
Petrolia
Oil City
Inwood
Alvinston
Oil Springs
Wilkesport
Sombra
Marine City
Port Lambton
Becher
Florence
Newbury
Bothwell
Wardsville
Glencoe
WALLACEBURG
WALPOLE ISLAND
Tupperville
Croton
Dover Centre
Mitchell's Bay
Grande Pointe
Eberts
Kent Bridge
Thamesville
Mandaumin
Duart
Highgate
Ridgetown
Palmyra
Morpeth
Blenheim
Chatham
Paincourt
Charing Cross
N. Buxton
Fletcher
Shrewsbury
Cedar Springs
Rondeau Park
RONDEAU PROVINCIAL PARK
Point Aux Pins
Erieau
Erie Beach
Merlin
Tilbury
Comber
Rivers Conard
Wadsworth
N. Woodslee
Riscom Sta.
Essex
McGregor
Amherstburg
Fort Malden National Historic Park
Toll Ferry
Gesto
Cottam
Staples
Coatsworth
Port Alma
Blytheswood
Holiday Beach Provincial Park
Harrow
Kingsville
Wheatley
Wheatley Provincial Park
Leamington
Colchester
Point Pelee
Point Pelee National Park
Pelee Point
Pelee Is.
Scudder
Dundee
Mount Clemens
Tecumseh
St. Clair Beach
Belle River
Emeryville
Tremblay Provincial Park
Jeanettes Creek
St. Joachim
Stoney Point
La Salle
Windsor Airport
Tunnel
Toll Bridge
Bridge Plaza
Detroit River
Riverside
Wyandotte
Ambassador
Tecumseh Blvd.
E.C. Row Expwy
Dougall Ave.
Walker Rd.
Huron Church Rd.
Howard Ave.
Dix Hwy
City Limits
Camara Rd.
Provincial Rd.
Belle Isle
Fort Wayne
Jefferson Ave.
Lodge Freeway
Chrysler Freeway
Seaway Freeway
Macdonald-Cartier Freeway
Queen St.
Park St.
Merritt Rd.
Grand Ave.
St. Clair St.
Richmond St.
Talbot St.
Wellington St.
Elgin St.
Ross St.
First Ave.
Victoria Ave.
Duke St.
Ridout St.
Queens Ave.
Confederation St.
Campbell St.
Exmouth St.
Lorne Ave.
Indian Rd.
Modeland Rd.
Vidal St.
Front St.
Christina St.
Mitton St.
Murphy Rd.
Confederation Bridge
Indian
Sarnia Bay
Point Edward
Pinery Provincial Park
Upperwash Provincial Park
Fanshawe Rd.
Oxford St.
Riverside Drive
Springbank Dr.
Wonderland Rd.
Commissioners Rd.
Southdale Rd.
Pond Mills Rd.
Wellington Rd.
Richmond St.
Adelaide St.
Clarence St.
Waterloo St.
Dundas St.
Mt. Pleasant Ave.
Western Rd.
Huron Rd.
Strathroy Rd.
Fairview Dr.
Lynden Rd.
Gate Rd.
Paris Rd.
St. Paul Ave.
West
Dalhousie St.
Colborne St. E.
Grand River
Conestogo Rd.
Lexington
Bridge
Victoria St.
Ottawa St.
Courtland Ave.
Fairway Rd.
Homer Watson Blvd.
Manitou Dr.
Strasburg Rd.
Hallman Rd.
Glasgow
Highland Rd.
Fisher
Columbia
Albert
King St.
University Ave.
Weber St.
Lancaster
Parry
Water St.
Joint Rd.
Queen
Schneider
Huron Rd.
Blair Rd.
Dundas St.
Elgin
Maple
Avenue Rd.
Glove Rd.
Bleams Rd.
Cedar
St. Anthony
West River Rd.
Mill Rd.
Bridge St.
Victoria
Ottawa
River Rd.
Pany.
Woolwich St.
Hespeler Rd.
Black Hespeler Rd.
Speed
Grand
Schneider
Huron
Strasburg Rd.
Fisher
Ottawa
Homer Watson Blvd.
Queen
Courtland Ave.
Fairway Rd.
Manitou Dr.
Weber St.
King St.
Parry
Water St.
Joint Rd.
Columbia
Albert
Lancaster
Conestogo Rd.
Lexington
Bridge
Victoria St.
Ottawa St.

4pm WED JUNE 25 1958

Big Twister Shatters Sunniland

JUN 26 1958

1/5/8

Greenhouses At Leamington Badly Smashed

By LYLE THACKERAY
of The Star's South Essex Bureau

LEAMINGTON — A short-lived, but destructive tornado, roaring in off Lake Erie, blasted farms in the Mersea Twp. district west of Leamington late Wednesday afternoon.

Damage in the wake of the twister is expected to exceed $100,000.

Accompanied by a torrential cloudburst, the distinctive funnel cloud was not observed by area residents, but the characteristic roar of the wind sent workmen fleeing from buildings seconds before they were blasted.

More than two inches of rain fell in a short space of time, flooding area farms and orchards under inches of water.

The twister, which blew in from the southwest shortly before 4 p.m., first lashed at the farm of Mario Policella, Highway 18, R.R. 1, Kingsville. It hedge-hopped from there about a mile, blasting squarely at the half-million dollar, five-acre greenhouse plantation of Sunniland Farms; tore down a big signboard at the west end of Evergreen Memorial Cemetery, and then blew itself out in the west end of Leamington, ripping down small tree branches and service wires.

Many local residents were un-

See LEAMINGTON—Page 6

★ ★ ★

aware, hours later, that a tornado had struck.

Mr. Policella and members of his family were in the farmhouse when the roaring wind struck the farm. He said that the blast "shook the house till the plaster fell," and windows were blown in.

One chunk of window glass, blown across two rooms, narrowly missed the Policella's four-month-old son, Luca.

"I never want to see another storm like that," Mr. Policella declared. "I looked out and saw the barn blowing away."

Wind tore sheet aluminum roofing from the barn, crumpled it like tinsel, and carried it 500 feet down the road.

Celery flats disappeared, as did the celery crop itself. Mr. Policella said he feared that he had lost most of his vegetable crops.

Trees at the rear of the house were twisted to ribbons in the characteristic fashion of a tornado. Sections of them were carried more than 100 feet.

Mr. Policella and his family had moved to the farm only last November, after purchasing it jointly with his father. A native of Italy, he has been a resident here for four years. Insurance is carried on the buildings, he said, but he declined to estimate his loss.

Workmen at Sunniland

The Windsor Star Library

d an alert
d Wilson Abraham
dministrator of the
oard of Education, who
the civil defence alert
ty's public and second
ls.
ound one or two things
't go quite right—it took
inutes to reach all the
for one thing—and now
ave a chance to correct
before something serious
e city.

e Windsor Star switch-
d was clogged for almost
hours by panicky people,
oning for information and
vice.

Ambulances were stationed in
arc around the city's per-
meter, for maximum mobility
nd speed. These arrangements
were made independently by the
mbulance operators.

house plantation of Sunniland Farms; tore down a big signboard at the west end of Evergreen Memorial Cemetery, and then blew itself out in the west end of Leamington, ripping down small tree branches and service wires.

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See LEAMINGTON—Page 6

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Workmen at Sunniland Farms greenhouses were busy in the access building, roofed area between the two banks of greenhouses, when they "heard a roar like a hundred trains" and fled for their lives.

The blasting wind ripped the roof off one section of the building, hurling pieces of it 100 feet away, flattening a concrete block wall and twisting a four-inch cast iron pipeline like a string.

Elsewhere in the glass plantation, biggest in the Leamington area and a district showplace, greenhouses were literally torn apart, with frames twisted and bent and glass scattered over many hundreds of feet of surrounding ground.

The entire plantation is devoted to the growing of cucumbers. All buildings are filled with producing vines, and greenhouse officials were unable to give any accurate estimate of damage since potential crop loss must also be figured. No complete inspection can be made until the shattered buildings are cleaned up.

Owned by Sam Shostak and the Ingratta Bros., the plantation was visited by another tornado three years ago. At that time, a section of the access building was blown down.

Officials said that the value of the glass plantation has been estimated at about $500,000, and damage may well exceed 20 percent of that amount.

Evergreen Memorial Cemetery and lawns of homes in the area, adjacent to Sunniland Farms, were littered with debris. A truck at Miller's Service Station, across Highway 3, was "bounced" by the wind, which apparently was lifting as it passed over the highway.

Other greenhouses in the area suffered only minor damage, with a few panes of glass blasted out in scattered units.

Winder Star Thurs. June 26 '58

Storm Date Wed June 25 '58

Wall of Water

Roar Only Hint of Danger

By LYLE THACKERAY

LEAMINGTON — I drove through a tornado Wednesday, but didn't realize it. The "shakes" over my close call didn't hit me until an hour later when damage reports began to come in, covering the area over which I had just driven.

It happened this way: I was on my way to Ruthven to make inquiries about vegetable harvests, when I met some cars with headlights on. It was still fairly bright, but overcast and raining lightly.

Just as I passed Evergreen Memorial Cemetery on Highway 3, I ran into a solid wall of water, so dense that I could hardly see through it. At the same instant, there was a roar, like an airliner flying about 50 feet away, and something jarred the car for an instant, almost as if it had hit something and glanced off.

I didn't stop. There were other cars right behind, so I kept on, with a gusty wind buffeting the car, and the rain so heavy that you could see only glimpses of the road to know where you were.

This lasted all the way to Ruthven, and for some time later.

On the way back, the sky had cleared a bit, so that the scudding clouds that usually follow a tornado could be seen tearing across the sky, and there were small branches littering the roadside.

I still didn't realize there had been a tornado, and more so after hearing about the one that hit around LaSalle. I thought the scud and the rain and wind came from that one.

Then I heard about the greenhouses being blown apart, sometime later, and got the shakes.

I have always wanted to be close to a real live tornado, just to see what it was like, and to photograph it.

Please take it from me, after this experience, I never want to get close enough to another of the things to even see it, let alone photograph it. Once is more than enough. Next time I might be right in the middle.

★ ★ ★

Twister Silent, 'Like Ghost'

The tornado which churned through LaSalle Wednesday afternoon uprooted trees, lashed rain through the town, shattered a greenhouse and flattened crops—but it didn't make a sound.

Despite the destruction, the wind velocity and the churning funnels, "it was as quiet as a ghost town when it hit," townspeople said.

They claim they didn't hear it before it struck or while it lashed the town. "All we saw was the silent whirling funnels, then it was all over."

The only noise was the rain, the waving trees and the pounding river. Silent, swirling, ruthless, they came, destroyed and left.