

# S. J. McKee Archives



## Suffield explosion - detonation

<http://archives.brandonu.ca/en/permalink/descriptions14155>

Part Of: Fred McGuinness collection

Description Level: Item

Series Number: McG 9

Item Number: 1-2015.224

Accession Number: 1-2015

GMD: graphic

Date Range: [1961-1964]

Physical Description: 8" x 10" (b/w)

History /

Biographical:

Suffield, Alberta, is situated approximately 40km northwest of Medicine Hat, Alberta. A few "large explosive events" (100 to 500 tons) were conducted at the Defence Research Board's (DRB) Suffield Experimental Station in the 1960s. On 19 January 1961, Medicine Hat citizens felt tremors in the community as a result of five tons of TNT being detonated at the station. The station director attributed this anomaly to freak atmospheric and weather conditions. At the time the DRB was testing the effects of shock waves on military equipment.

In July 1964, the Suffield Experimental Station detonated 30,600 blocks of TNT - 500 tons - to test the largest, non-nuclear, non-confined, surface blast. Placed in various sections radiating from ground zero to test the effects of the blast were targets, dummy-men, miscellaneous instruments, mines, model ships, nose cones, respirators, vehicles, subterranean chambers, shelters, tunnels, foxholes, and trenches. Several hundred people were expected to observe the blast, including 80 "official observers" and a VIP party of military and research personnel from Canada, the United States, and Britain.

(Sources: "Hellyer Heads VIP List Coming Here for SES Blast," Medicine Hat News, 09 July 1964, 7; Patrick J. Roe, "Blast Area Awaits a Cloudless Day," Medicine Hat News, 16 July 1964, 2; "Suffield Explosion Felt Here," Medicine Hat News, 19 January 1961, 7)

Scope and Content:

Photograph shows a detonation at the Suffield Experimental Station.

Name Access: Suffield Experimental Station

Suffield Explosion

Subject Access: military training

military

explosions

Storage Location: RG 5 photograph storage drawer 2 (hanging photos)

Arrangement:

BR #3 30-personal

## Images



## Suffield explosion - detonation

<http://archives.brandonu.ca/en/permalink/descriptions14207>

Part Of:	Fred McGuinness collection
Creator:	Photographer: S.E.S. Color Photo
Description Level:	Item
Series Number:	McG 9
Item Number:	1-2015.276
Accession Number:	1-2015
GMD:	graphic
Date Range:	1964
Physical Description:	14" x 11" (colour)
Physical Condition:	Emulsion is cracking and photograph is starting to warp

### History /

#### Biographical:

Suffield, Alberta, is situated approximately 40km northwest of Medicine Hat, Alberta. A few "large explosive events" (100 to 500 tons) were conducted at the Defence Research Board's (DRB) Suffield Experimental Station in the 1960s. On 19 January 1961, Medicine Hat citizens felt tremors in the community as a result of five tons of TNT being detonated at the station. The station director attributed this anomaly to freak atmospheric and weather conditions. At the time the DRB was testing the effects of shock waves on military equipment.

In July 1964, the Suffield Experimental Station detonated 30,600 blocks of TNT - 500 tons - to test the largest, non-nuclear, non-confined, surface blast. Placed in various sections radiating from ground zero to test the effects of the blast were targets, dummy-men, miscellaneous instruments, mines, model ships, nose cones, respirators, vehicles, subterranean chambers, shelters, tunnels, foxholes, and trenches. Several hundred people were expected to observe the blast, including 80 "official observers" and a VIP party of military and research personnel from Canada, the United States, and Britain.

(Sources: "Hellyer Heads VIP List Coming Here for SES Blast," Medicine Hat News, 09 July 1964, 7; Patrick J.Roe, "Blast Area Awaits a Cloudless Day," Medicine Hat News, 16 July 1964, 2; "Suffield Explosion Felt Here," Medicine Hat News, 19 January 1961, 7)

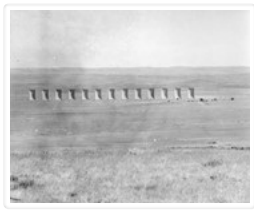
#### Scope and Content:

Photograph shows a detonation at the Suffield Experimental Station.

Name Access: Suffield Experimental Station  
Suffield Explosion  
Subject Access: military training  
military  
explosions  
Repro Restriction: Photograph may be subject to Canadian Copyright Laws  
Conservation: To be processed in humidification chamber (ST 2016-02-03)  
Storage Location: McGuinness oversize storage drawer (1-2015)  
Arrangement:  
Funny trunk

## Images

---



### Suffield explosion - pre-detonation

<http://archives.brandonu.ca/en/permalink/descriptions14156>

Part Of: Fred McGuinness collection  
Description Level: Item  
Series Number: McG 9  
Item Number: 1-2015.225  
Accession Number: 1-2015  
GMD: graphic  
Date Range: [1961-1964]  
Physical Description: 10" x 8" (b/w)

History /

Biographical:

Suffield, Alberta, is situated approximately 40km northwest of Medicine Hat, Alberta. A few "large explosive events" (100 to 500 tons) were conducted at the Defence Research Board's (DRB) Suffield Experimental Station in the 1960s. On 19 January 1961, Medicine Hat citizens felt tremors in the community as a result of five tons of TNT being detonated at the station. The station director attributed this anomaly to freak atmospheric and weather conditions. At the time the DRB was testing the effects of shock waves on military equipment.

In July 1964, the Suffield Experimental Station detonated 30,600 blocks of TNT - 500 tons - to test the largest, non-nuclear, non-confined, surface blast. Placed in various sections radiating from ground zero to test the effects of the blast were targets, dummy-men, miscellaneous instruments, mines, model ships, nose cones, respirators, vehicles, subterranean chambers, shelters, tunnels, foxholes, and trenches. Several hundred people were expected to observe the blast, including 80 "official observers" and a VIP party of military and research personnel from Canada, the United States, and Britain.

(Sources: "Hellyer Heads VIP List Coming Here for SES Blast," Medicine Hat News, 09 July 1964, 7; Patrick J. Roe, "Blast Area Awaits a Cloudless Day," Medicine Hat News, 16 July 1964, 2; "Suffield Explosion Felt Here," Medicine Hat News, 19 January 1961, 7)

Scope and Content:

Photograph shows blast targets/dummies pre-detonation at the Suffield Experimental Station.

Name Access: Suffield Experimental Station

Suffield Explosion

Subject Access: military training

military

explosions

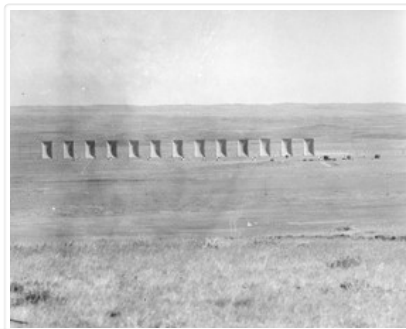
Storage Location: RG 5 photograph storage drawer 2 (hanging photos)

Arrangement:

BR #3 30-personal

## Images

---



## Suffield explosion - pre-detonation

<http://archives.brandonu.ca/en/permalink/descriptions14157>

Part Of: Fred McGuinness collection

Description Level: Item

Series Number: McG 9

Item Number: 1-2015.226  
Accession Number: 1-2015  
GMD: graphic  
Date Range: [1961-1964]  
Physical Description: 10" x 8" (b/w)

History /

Biographical:

Suffield, Alberta, is situated approximately 40km northwest of Medicine Hat, Alberta. A few "large explosive events" (100 to 500 tons) were conducted at the Defence Research Board's (DRB) Suffield Experimental Station in the 1960s. On 19 January 1961, Medicine Hat citizens felt tremors in the community as a result of five tons of TNT being detonated at the station. The station director attributed this anomaly to freak atmospheric and weather conditions. At the time the DRB was testing the effects of shock waves on military equipment.

In July 1964, the Suffield Experimental Station detonated 30,600 blocks of TNT - 500 tons - to test the largest, non-nuclear, non-confined, surface blast. Placed in various sections radiating from ground zero to test the effects of the blast were targets, dummy-men, miscellaneous instruments, mines, model ships, nose cones, respirators, vehicles, subterranean chambers, shelters, tunnels, foxholes, and trenches. Several hundred people were expected to observe the blast, including 80 "official observers" and a VIP party of military and research personnel from Canada, the United States, and Britain.

(Sources: "Hellyer Heads VIP List Coming Here for SES Blast," Medicine Hat News, 09 July 1964, 7; Patrick J.Roe, "Blast Area Awaits a Cloudless Day," Medicine Hat News, 16 July 1964, 2; "Suffield Explosion Felt Here," Medicine Hat News, 19 January 1961, 7)

Scope and Content:

Photograph shows blast targets/dummies post-detonation at the Suffield Experimental Station.

Name Access: Suffield Experimental Station

Suffield Explosion

Subject Access: military training

military

explosions

Storage Location: RG 5 photograph storage drawer 2 (hanging photos)

Arrangement:

BR #3 30-personal

## Images

---



Original Eighth St. Bridge and Pedestrian Stairway



<http://archives.brandonu.ca/en/permalink/descriptions9178>

Part Of: RG 11 Lawrence Stuckey fonds

Description Level: Item

Series Number: 3.1

Item Number: 1-2002.3.1BF2

Accession Number: 1-2002

GMD: graphic

Date Range: ca. 1933

Physical Description: 2 1/2" x 2 1/2"

Material Details: Negative

History /

Biographical:

Contract for concrete approach from north end to replace east and west timber approaches along Assiniboine Ave. awarded to A.E. Jones and E. Fulcher for \$30,590. Oct. 11, 1934. (Brandon Sun). As part of this project a Z-shaped ramp on the west side to Assiniboine Ave for pedestrians replaced wooden stairs to north end.

Custodial History:

For custodial history see the collection level description of the Lawrence Stuckey collection.

Scope and Content:

View of East side of original Eighth St. bridge from Pacific Avenue; Shows pedestrian stairway to North end and CPR early 2800 [locomotive] being serviced on Train No.4

Notes: G. Crighton Collection

Name Access: Original Eighth St. Bridge and Pedestrian Stairway

Subject Access: manmade geographic features

bridges

Brandon Eighth Street Bridges

Transportation

rail transportation

railways

trains

passenger trains

Repro Restriction: The McKee Archives is the copyright holder for the Stuckey materials.

Location Copy: 1-2002.3.9.102

Storage Location: Lawrence Stuckey collection

## Images

---





## Second Eighth St. Bridge and CPR Train

<http://archives.brandonu.ca/en/permalink/descriptions9180>

Part Of: RG 11 Lawrence Stuckey fonds

Description Level: Item

Series Number: 3.1

Item Number: 1-2002.3.1BF4

Accession Number: 1-2002

GMD: graphic

Date Range: Feb. 15, 1981

Physical Description: 2 1/2" x 2 1/2"

Material Details: Negative

History /

Biographical:

Opened Dec. 1968 by Mayor S.A. Magnacca

Custodial History:

For custodial history see the collection level description of the Lawrence Stuckey collection.

Scope and Content:

Second overhead bridge over CPR tracks between 8th Street and 9th Street

Notes: Photo includes CPR train No. 801, empty Ontario Hydro coal cars, behind GM model SD40-2 engines 5994 and 5766

Name Access: Second Eighth St. Bridge and CPR Train

Subject Access: manmade geographic features

bridges

Brandon Eighth Street Bridges

Transportation

rail transportation

railways

trains

Repro Restriction: The McKee Archives is the copyright holder for the Stuckey materials.

Storage Location: Lawrence Stuckey collection

### Images

---

