

# 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

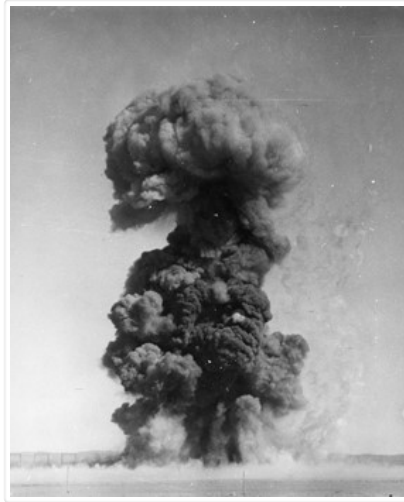
explosions

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:

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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)

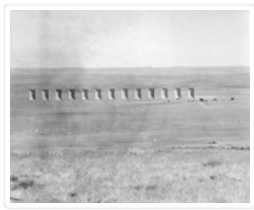
#### Scope and Content:

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

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### 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

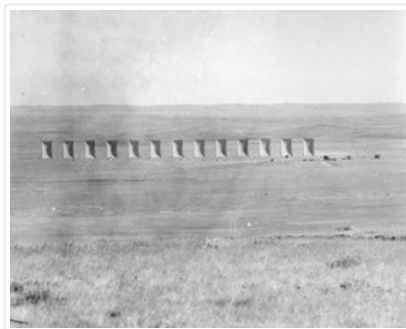
Storage Location: RG 5 photograph storage drawer 2 (hanging photos)

Arrangement:

BR #3 30-personal

## Images

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## 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.

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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

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