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Rev. Frank Cash photograph collection and related papers

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Frank Cash photograph collection

Rev. Dr E.F.N. (Frank) Cash was the rector of Christ Church Lavender Bay and a keen amateur photographer. He was the only amateur photographer to be permitted onto the construction site of the Sydney Harbour Bridge, and took photographs throughout the building process. His photographs also include images of his family: his wife Elizabeth, son John who joined the RAAF and was killed in action in 1941, and three daughters Mary, Miriam and Elizabeth. He also took many pictures of trees, native animals and rock formations, particularly around the Glen Innes area and inside Jenolan Caves. There are also a small number of photos of the Fairbridge Farm School for child migrants in Molong, WA.

This list includes the positive images held in the collection, the majority of which are glass lantern slides, with a small collection of paper prints. Descriptions of the glass slides have been transcribed from Rev Cash’s inscriptions on the paper borders of the slides. A large number of the slides are copies of paintings and illustrations from books, as well as hymn lyrics.

Rev. Cash’s cameras, lantern slide projector and enlarging device are also in the custody of the Samuel Marsden Archives. One of the cameras is currently on display inside the south pylon of the Bridge.

Box 1:

Letter of permission from Dornan, Long & Co. to take photographs

Leather wallet, 10x6cm, with initials F.C. and dated 3/9/24


Order of service and transcript of Governor-General’s address at the opening of the Cash memorial chapel, Moore College 20th November 1950, pamphlet describing the memorial vessels.

Newsclippings

Lists of lantern slides for Old and New Testament series

Pamphlets relating to the Harbour Bridge, several issues of Christ Church Lavender Bay Parish Paper, thankyou card from Annie W. Cash following Frank Cash’s death.

Parables of the Sydney Harbour Bridge

Box 2:

Collected books and pamphlets relating to photographic processes

Notebook recording exposures of negatives

Positive prints – black and white

Folder 1, Box 5:

Opening of the John Francis Cash memorial Chapel, Moore College 1950 26x20cm
John Francis Cash memorial plaque – 3 copies, 22x16cm

St Andrew’s Cathedral 26x20cm

Christ Church Lavender Bay, with Rectory 26x20cm

Bishop Muncey, Bishop Baker, Dr Felix [Cerust?], Canon Nelson, Bishop Bergamin, Rev Broughton Knox, Rev John Stall, Dr Cash, Rev Cassidy, Dr Robinson, Archdeacon T.C. Hammond, Bishop de Witt Batty, Fr. Basil Eddie, Bishop Pelder, 1950s, 22x17cm.

Moore College Faculty with Principal D.J. Davies, 1913 26x20cm

Three clergymen, 1950s? 26x20cm

Two men, one in academic robes, 1950s? 26x20cm

Crowd gathered among trees, view from behind. Many people are standing on top of a fence rail and on stools. 3 copies, 23x16cm

Fairbridge Farm School, Molong, WA:

1. Boys building a haystack
2. Wagon of hay pulled by six horses
3. Loading hay from wagon onto haystack
4. House behind tall gum tree
5. View of buildings between two trees
6. [not located]
7. Two boys removing bread from brick oven
8. Four boys with teacher in classroom with diagram of tree rings on blackboard
9. Boy feeding pigs
10. Front of main building (2 copies)
11. Boy hammering nails into sole of boot
12. Group portrait of children
13. Two boys holding carcass of pig
14. Two men in wheat field with harvester
15. Girl ironing
16. Two men and boy with haystack and ladder
17. Two men driving tractor through wheat field
18. Paddock with sheep under gum tree
19. Group of children on dirt road
20. Boys in workshop
21. Two residential buildings
22. Paddocks and hills with wire fence and gate in foreground
23. View of hills with lake and trees
24. Girl in camp bed
25. Boy with bell
Sydney Harbour Bridge – view towards south side from next to north side – arch partially completed on each side 16x12cm

Sydney Harbour Bridge – view from Christ Church towards north side, with creeper crane 16x12cm

Looking up the arch towards creeper cranes – 2 copies – 26x21cm

Joint between cables and arch – 3 copies – 22x17cm

Two sides of arch almost joined, view from base of pylon – 21x17cm

End of unfinished decking from inside arch, from side angle – 2 copies – 26x20cm

End of unfinished decking from inside arch, straight on – 3 copies – 22x17cm

Steel girder with half cylindrical hole – 22x17cm

Workman with steel cylinder suspended by ropes – 30x17cm

View from Rectory of both sides of unfinished arch with creeper cranes – 5 copies – 22x17cm

View from Rectory of both sides of arch meeting in the centre, with creeper cranes – 26x21cm

View from Rectory of arch with 1 panel of decking – 2 copies – 26x21cm

View from Rectory of arch with 6 panels of decking – 26x21cm

Close-up of centre of arch with first panel of decking being lowered – 22x17cm

View from Rectory of completed bridge – 22x17cm

Frank Cash being presented with book “Sixteen turning points in the construction of the Sydney Harbour Bridge – 25x20cm

Square link pin – 30x8cm and 2 smaller copies

Diagram of cross section of deck and hangers – 24x8cm

Commemorative scissors – 3 copies – 22x8cm

Golden candlesticks for Cash Chapel – 22x17cm

Box 3:

Lord Howe Island – 29 black and white prints with accompanying notes in folder

Birds and birds’ nests – b/w prints in folder

Landscapes and rock formations – b/w prints in box

Western Australia – includes farms and farm workers, camels and horses, landscapes, machinery and mining, Indigenous people. Approx. 50 b/w prints.

Box 4:
Enlargements of bridge photos

Enlargements of Shore school photos – 36x30cm

Interior of Cash chapel – 2 copies – 36x30cm

Exterior of Cash chapel with woman in doorway- 36x30cm

Cash chapel memorial stone – 36x30cm

Portrait of John Cash – 36x30cm

St Andrews Cathedral and Great Bible of 1539

Copy of group portrait of gathering of bishops

Wildlife, landscape and rock formation photos

Lavender Bay with ferry - 1880s? 21x16cm print on mount – corners damaged and significant foxing

Box 5:

Two albums (35x26cm) containing b/w prints under tissue paper of the construction of the Sydney Harbour Bridge

Box 6: Sydney Harbour Bridge workshops and demolition of houses in Milson’s Point – approx. 200 b/w prints, 11x8.5cm

Box 7: Sydney Harbour Bridge construction of arch and views from base of pylon – approx. 30 b/w prints – 17x12cm

Box 8: Family portraits and Jenolan Caves – approx. 50 prints, 11x8.5cm

Box 9: Globes, lenses, parts for cameras.

Realia: Enlarging device, lantern slide projector, camera in brown case.

Glass lantern slides – black and white positive. The later date refers to when the slide was produced from the negative.

Box 1: Sydney Harbour Bridge

3. The two highest granite pillars, 85 feet. Fourth approach span on north side. 28th Jan 1968.
4. Ferries from top of end post on south. Ferries in the harbour from top of end frame and portal. Middle of 1929. Varnished, dyed with methylene blue, 26th May 1944.
5. Twin wharf cranes, on Wed afternoon 19\textsuperscript{th} July 1929, two travelling wharf cranes at Milson’s Point and 4\textsuperscript{th} panel of arch on. 30\textsuperscript{th} Jan 1962.

6. The end of a cable. 217 wires, 79 bent in socketing operations. Steel in its strongest form. 26\textsuperscript{th} Jan 1962.

7. Identity disc attached to a cable, giving length, no. of wires, weight, shipping no., circumference. 7\textsuperscript{th} Feb 1962

8. Creeper crane in the clouds: the creeper crane near the crown of the arch. 22 Jan 1962. Glass cracked across top right corner.

9. Releasing the cables: diagram. A diagram showing the method of releasing the cables at the link plates. 22\textsuperscript{nd} Jan 1962.

10. The second panel in course of erection, Feb 1929. Creeper on top of first panel is building the second slide. 22.1.62.

11. Centre saddle: south side. The 10 inch square tapped pilot pin in south side of arch of bridge, ready to be driven home into squared on north side, and showing the 2-8 inch bearing pins in the massive steel saddle. Photo in workshops on Sat 2\textsuperscript{nd} Aug 1930. Ilford Lantern slide meth blue, 19\textsuperscript{th} Feb 1962.

12. Centre saddle, north side. Joining of bottom chord. The heavy forged steel saddle of north arm. The squared 10-inch pin hole which will take the pin 7ft 3 ¾ in. long in the south arm. Half a pin hole belongs to each member. Photo in workshops on Sat 2\textsuperscript{nd} Aug 1930. Ilford lan meth blue, 19\textsuperscript{th} Feb 1962.

13. North arch creeper on 8\textsuperscript{th} panel. Main arch on north side, creeper on 8\textsuperscript{th} panel erecting 9\textsuperscript{th} panel. See link plates at top of end post. Photo from near workshops on Tues 13\textsuperscript{th} May 1930. Ilford iron toned 12\textsuperscript{th} Jan 1962.

14. Template for the skewback. The S. receives the thrust of the main arch span after the thrust has been transmitted thro. the main bearing. Slide 22.1.62.


16. Second panel of arch on south side. The creeper on the first panel has almost completed the second panel. Ilford lantern varnished tones Fe25, Ur75 on 26\textsuperscript{th} Jane 1962.

17. Main arch on south, 7 panels, end of December 1929. Neg on ½ pl. with 3 power Ross Teleros from Ch.Ch.Rec. Ilford lantern varnished tones Fe25, Ur75 on 16\textsuperscript{th} Jane 1962.

18. Jacking operations in the top chord. Joining of top chord on providential day, 8 Sep 1930. Hoisting hydraulic jack of 1000 tons pressure to place in gap, 450 feet above harbour. The gap is 24 ins. Screw jacks and hydraulic jacks exert a pressure of 3,428 tons. The final machined keys were then fitted into place. Varnished 28\textsuperscript{th} June 1945.

19. Bridge illuminated, sesquicentenary, from Jeffrey St wharf, Feb 1938. Varnished 9\textsuperscript{th} June 1945.

20. Outside curve of north approach spans. The fifth span to the pylons is out of sight to the left. 7\textsuperscript{th} Feb 1962.

21. Twelve panels of main arch on south side on 14\textsuperscript{th} July 1930. All the 128 cables are tensioned. 28\textsuperscript{th} June 1945.
22. Bridge from the bottom of Alfred Street soon after completion in March 1932. 29th Jan 1962.
23. Excavation for skewback on north side. 40 feet deep, aggregate floated to top of bucket. 2nd Feb 1962.
24. Joining of top chord on providential day, 8 Sep 1930. Mr L. Ennis, Director. Hoisting hydraulic jack of 1000 tons pressure to place in gap, 450 feet above harbour. The gap is 24 ins. Screw jacks and hydraulic jacks exert a pressure of 3,428 tons. The final machined keys were then fitted into place. Varnished 28th June 1945.
25. Jacks in position in gap on top chord. Copy from a print given to Dr Frank Cash by Mr Lawrence Ennis the director. Sat 6th Jan 1962.
28. A photograph of the bridge in Oct 1944 from Christ Church Rectory. 7th Feb 1962.
29. Dawn from Christ Church Rectory on a February morning 1937 at 4:30am. Reflection of bridge lamps. Kodak white label iron toned and varnished 2nd May 1944.
30. The bridge scissors for cutting the ribbon on the opening day. Slide 6th June 1944, Kodak white label.
31. Bridge Oct 1944 from Christ Church Rectory. 15th Feb 1962. (Glass cracked)
33. Detail of first hanger with its cradle at noon Thurs 25th Sep 1930. Hanger 192 feet long, weighs 37 tons. Detail from whole plate neg from Christ Church rectory on that day. Slide made 12th Jan 1962. Ilford varnished, iron toned.
34. Looking through the steel work of the main arch at deck level July 1930 at 12 panels out. Varnished, iron toned 1st Aug 1944.
35. Western footway on Sydney side in 1928. We are looking towards Sydney. 30th Jan 1962.
36. Dawn reflections Friday 29 Jan 1937 at 4:30 am. Kodak white label 10th June 1945.
37. One of the four main bearings of bridge, weighs 296 tons. Neg 1929, slide 28th May 1944.
38. Erecting first section of the bottom chord on west of the north side on 23rd July 1929. (Glass cracked across top left corner)
39. Dawn from Christ Church Rectory Feb 1937, 4:15 am. The hangers in the reflection are fading out as daylight comes on. From ½ pl. negative. Slide Kodak white label on 5th June 1944.
40. Main arch, 8th June 1930. Ilford lantern varnished 12th Jan 1962.
41. Testing bridge lamps Feb 1932. Six minutes exposure for lamps. All lamps not lit at same time – cap lens. When lamps out ½ hour exposure for bridge and travel of ferries to McMahon’s Point and Lavender Bay on right, Milsons Pt on left. Varnished, iron toned 25th May 1944.
42. The bridge rivets. Five million used in the fabrication of the structure. Heaviest up to 6 ½ lbs. Longest 16 inches, heated red hot. Ilford lantern 28th Jan 1962.
43. Look out from St Xavier’s Hall 1938. 29th April 1944.
44. Main arch, 19th May 1930. Ilford lantern varnished 12th Jan 1962.
46. 1922 – the lookout across the harbour from Christ Church Rectory. A penny ferry is coming to McMahon’s point then on to the wharf at the foot of Lavender Bay steps. 2nd Feb 1962. (Glass cracked down right side and top right corner)
47. Joining of the bottom chord of bridge on Wed morning 20 Aug 1930. Slide on 24th Nov 1943.
48. The decking and hangers of bridge in course of erection. Dec 1930. Negative on whole plate from bottom lateral bracing with 6 ½ inch lens. White label Kodak.
49. Joining of top chord, 8th Sep 1930. Creeper crane hoisting hydraulic jack into gap of 24 inches. Mr Lawrence Ennis, the director looking on. Slide on 25th Feb 1944.
50. The creeper erecting the two end posts in Jan 1929. Slide on 22.1.62.
51. Creeper crane on top of first panel on north side. Sep 1929. 28th June 1945.
52. Second panel of arch, south side.
53. 2 panels on north, 7 on south on 13th December 1929. Main arch, ½ pl. negative from Christ Church Rectory. 16th Jan 1962.
57. First two hangers and first cross girder on 27th Sep 1930. 28th June 1945.
58. Decking of the bridge.
59. The decking and hangers of the bridge in course of erection. From the deck level, negative on whole plate with 6 ½ inch lens, Dec 1930. 6th Aug 1944.
60. The opening day 19th Mar 1932, from Christ Church Rectory. 15th Feb 1962.
61. Dawn from Christ Church Rectory February 1937 4:15 am. 10th June 1945.
62. Dawn of the New Year 1st Jan 1935 at 3:57am. The full and perfect reflection is very rare. Kodak blue label, varnished, dyed methylene blue, 25 May 1944.

Box 2: Sydney Harbour Bridge

3. Bridge lights & ferry tracks. Before bridge was opened – trying out bridge lights 12th Feb 1932 8:30 to 10pm. Silvery tracks are tracks of ferries to McMahon’s Point and Milsons Point from Quay.
4. Fixing bearing top granite pillar
5. Erecting the jib of creeper crane on the ramp on the north side 1929.
6. The horseshoe hydraulic riveter
7. Granite pillar of approach span 1926
8. Joining of bottom chord – bottom chord in position nearly for locking on 20th Aug 1930
9. Squared hole for pilot pin
10. Pilot pin – centre bearers of bottom chord
11. Erecting creeper crane, N. Side
12. Erecting creeper crane on south side Nov 1928
13. First section in two pieces of bottom chord of first panel north side 23rd July 1929
14. Centre of bottom chord Aug 1930
15. Erecting footway brackets to approach spans on N. Side. Photo from top of pillar.
16. Looking from south to north side
17. Top lateral bracing from the jib of the creeper crane
18. Beginning approach spans – south
19. Cables in store for arch – cables for anchoring main arch
20. Granite pillars for south approach spans
21. Curve of approach spans, north side
22. Troughings of deck, approach spans and western railway on south side
23. Scene from north side March 1929
24. Erecting first section, bottom chord – first section of bottom chord on north side being set on the main bearing.
25. Progress of arch, April 1929
26. The pilot pin – the powerful tapered pilot pin that locked the bottom chord
27. Bridge decking from deck – the decking and hangers of the bridge in course of erection from deck level. Negative on a whole plate with 6 ½ in lens in December 1930. Ilford special lantern plate on 26th Oct 1943.
28. Erecting approach spans, north side
29. Bridge rivets
30. The two highest concrete pillars, faced with granite, being 85 feet in height, of the fourth approach span on the north side. 24th Nov 1943.
31. Steel shavings from plane
32. Creeper on ramp, December 1928
33. Lookout from Rectory, June 1929
34. Record day, 26th November 1929, 578 tons erected.
35. Approach spans, 1st panel, south side
36. Joining of the bottom chord, Aug 1930
37. The bridge from Rectory at 12:15am Aug 1935
38. Joining of the top chord of the bridge on the providential day, 8th Sep 1931. Mr L. Ennis, director, is looking on at the work, 450 feet above the harbour. Slide on 24th Nov 1943.
40. Harbour bridge in the rain, 9th Feb 1935
41. Aggregate for erection of screwbacks on north side
42. Link plates with some cables attached
43. Erecting south eastern bearing
44. Fourth falsework and last two pillars of approach spans on north side
45. One of the centre bearings of the bottom chord of main arch
46. Creeper cranes with flags on 20 Aug ’30, to celebrate joining of bottom chord
47. Jib of the creeper crane
48. Creeper crane and part of undercarriage on top chord of the harbour bridge. Neg 1930, toned slide 15 Nov 1943
49. First panel in erection, south side
50. Link plates, part of end frame and portal
51. First approach span on south, early 1927
52. Erecting creeper on ramp, south side, October 1928
53. Progress of half arch on south
54. Section of bottom chord
55. Workshops in Lavender Bay
56. Top chord on South Side, November 1929
57. Creeper on first panel, just off ramp
58. Last piece of bottom chord being hoisted
59. Pin to pin link plates to end post
60. Hoisting member for approach span
61. Joining of bottom chord of arch, 20th August 1930
62. First approach span, south side
63. Timber towers – cranes – jib of 110 feet on foreshore for erecting pylons
64. Timber towers on north side
65. Timber towers on north side of the harbour, which built the skewbacks and then built up the pylons to 155 feet deck level.
66. Bridge at night from Christ Church Rectory 1932. Kodak white label toned and varnished 3rd May 1944

Box 3: Sydney Harbour Bridge

1. Centre steel saddle – the joining of the bottom chord of the bridge. The heavy forged steel saddle of the northern arm. The squared pin hole 10ins square, which will take the pin, 7ft, 3 ¾ in long in the southern arm. Pin is 10ins sq. Half a pin hole belongs to each member. Photo in the workshops on Sat 2nd Aug 1930. Ilford lantern varnished slide on Sat 6th Jan 1962.
2. Pilot pin in centre saddle. The 10in square tapered pilot pin in south side of the arch of bridge, ready to be driven home into the squared socket on the north side and showing the two 8 inch bearing pins in the massive steel saddle. Photograph made in the workshops Sat 2nd Aug 1930. Slide: Ilford lantern plate Sat 6th Jan 1962.
3. Cage going up from barge. Two men or three in a cage, being hoisted by the creeper crane from a barge in the fairway to their place of work, somewhere on the arch. The height from water to top or crown of arch is 437 feet. Slide on 3rd Feb 1944.
4. Milson’s Point railway, soon after bridge was opened on 19th March 1932. Note Milson’s Point wharf on right, and Dorman Long’s office of the workshops still standing on the site of workshops. Slide 3rd Feb 1944.
5. Detail of link plates, showing the 8 link pins and 8 rows of cables, each row of 16 and the sockets by which the cables are attached by the threaded link pins. The link plates were pinned to the top of the end post by a 27-inch diameter pin. The cables supported the main arch, each half of 14000 tons during erection. 4th Dec 1943.
6. Hoisting bottom boom of the third approach span on north side. Note the bearing to fit bearing pin set in top of the granite pillar. All the four approach spans move on these pins. Negative 1928, slide on 27th Feb 1944.
8. Bridge beginnings on south side
9. First hanger of the bridge with its cradle. Noon on Thurs 25 Sep 1930. Hanger is 192 feet in length and weighs 37 tons. Detail from whole plate neg made from Christ Church Rectory. Slide on 3rd Nov 1943.
10. Erecting 2nd panel, south side.
11. Erection end frame, south side
13. The ship Maconoi passing under bridge about January 1932, a few weeks before the pylons were finished. The lookout is through the end of the workshops near north pylons. Slide 3rd Feb 1944.
14. Creeper crane on top chord, 1930. The main hoist and jigger are in front out of sight. The two picturesque jibs are on rear of creeper and are only 2 ½ ton load. Slide 25th Feb 1944.
16. Smoke from seven ton crane. One of the seven ton cranes that worked on the erecting of the wood falsework in the building of the four approach spans on Sydney side. Poised on the edge of the approach spans, with full steam, the sight was picturesque. Varnished, dyed with methylene blue, 13th Aug 1944.
17. Four single line tunnels, beneath St Peter’s Church and Church of England Grammar School. Site of North Sydney station. Kodak white label.
18. Falsework and last two pillars, north side 85 feet high. The falsework was a temporary wooden structure for carrying cranes for building steel approach spans and pillars. Negative 3rd Jan 1927. Wood in this span is 1400 tons. Varnished, uranium toned, 13th August 1944.
19. Skewback, to take main bearing
20. Four panels on south side from the punt.
21. Twelve panels of main arch on south side on 14th July 1930. All the cables are tensioned. Timber towers are building the pylons up to 285 feet. The half arch still 120 feet from meeting point. Varnished, uranium toned 1st Aug 1944.
22. Four panels on Sydney side.
23. Link plates, cables and sockets.
24. Creeper hoisting piece of panel post.
25. Timber towers for erecting pylons, 1926.
26. Approach spans, south, from crane
27. Benalla putting off after discharging steel at workshops in Lavender Bay.
28. The vehicular punt at Jeffrey St.
29. Gap in top chord, Sep 1930.
31. Bottom chord joined – joining of bottom chord of bridge. The bottom chords were locked together, the 4 centre bearing pins were fitted into centre bearings, and the two pilot pins thrust home in the early morning hours of Wed 20th Aug 1930. The flags unfurling at 8:40am blew out the message that the great arch was locked forever. Photo from Christ Church Rectory Sun 24th Aug 1930. Kodak white label.
32. First hanger and creeper cranes – first hanger of the bridge with its cradle, noon on Thursday 25th Sep 1930. Hanger is 192 feet in length and weighs 37 tons. Detail from whole plate neg made from Christ Church Rectory. Ilford varnished 12th Jan 1962.
33. Main arch from pillar, 12 panels finished. Neg on whole plate from top of granite pillar of 1st approach span, thus giving unusual perspective to footway above, and top chord, July 1930.
34. Decking in construction
35. The main arch of the bridge on 14th July 1930. Distance separating two halves is 240 feet. Negative on whole Kodak Austral from Christ Church Rectory. Slide Ilford special lantern 20th Nov 1943.
37. Detail of the joining of the top chord of bridge on 8th Sep 1931. Negative made from the western chord. Two screw jacks are in position in the 24in gap. A great hydraulic jack is by Lawrence, the surveyor on the right, and Charlie Hipwell, construction engineer is measuring on the left. Centre panel post of 60 feet below. Slide on 24th Nov 1943.
38. First two hangers and first cross girder of bridge on 27th Sep 1930. Negative whole plate Austral from Christ Church Rectory. Ilford special lantern.
39. The first panel of the main arch of the bridge in March 1929. Creeper crane has moved from pylons on to the top chord. Cables hanging down in right corner of pylons. Slide on 20th Nov 1943.
41. The opening day of the bridge, 19th March 1932. The steel frame of workshops still remaining, but being disassembled. Milson’s Point ferry left. Ferricyanide toned slide, 25th Feb 1944.
42. Bridge reflections, Monday 1st February 1937, 4:35am. Slide from ½ plate negative on 10th Dec 1943. The lookout from Christ Church Rectory.
43. The creeper crane on Sydney side erecting 2nd piece of 1st section of second panel of main arch. Note the gap as it is being hoisted by creeper into place. See the cables in right corner of pylons not yet attached to link plates at top of the end post for supporting main arch in its progress across water. Toned slide 15th Nov 1943.
44. 8 panels of arch on north side
45. Hoisting a piece of panel post from barge in the stream, Tues. 26th Nov 1929. Record day in arch bridge structure, 578 tons being placed in position. Slide from ½ plate on 12th Nov 1943.

46. Creeper crane on top chord of harbour bridge, with the 2 ½ tons derrick-crane on back carriage of the creeper. Men at work on top chord. Top lateral bracing on right of creeper. Negative N.C. film 1930. Sulphide toned slide on 29th April 1939.

47. Approach spans to second panel, south side.

48. No. 3 socketing operations
49. No. 2 socketing operations
50. Progress of main arch
51. The bridge on a rainy day 9th Feb 1935 3:15pm.
52. Diagram of anchorage system
53. First section of bottom chord, south side
54. End frame and first sections of bottom chord
56. The link plates on north east showing the 8 link pins and 8 rows of cables of 16 each, and the sockets by which the cables are attached by the threaded link pins. Slide 6th June 1944, varnished, iron toned.

57. Eight panels from Christ Church Rectory
58. Looking along panel system from deck level on Sydney side, September 1929. Western footway brackets are cantilevered out. Creeper crane on top chord. Slide on 25th Feb 1944.

59. First two hangers and first cross girder of the bridge on 27th Sep 1930. Each centre hanger is 192 feet in length and weighs 37 tons. Cross girder 160 feet in length, weighs 98 tons. Slide 3rd Nov 1943.


61. No. 4 socketing operations
62. No. 1 socketing operations
63. Bridge from Christ Church Rectory Monday 26th October 1936, 5pm. Verichrome film, Alpha slide.

64. ‘Helen B. Stirling’ ship under bridge
65. Five panels from rectory, south side
66. Bridge as the daylight dies, 7:15pm 11th Feb 1935.
67. Lookout from Rectory 9th June 1935
68. Detail – silver arch of bridge, Sat 16th Jan 1937. Arch suddenly lit up with bright sun at 6:20pm, with dark sky as background.

69. Bridge from rectory in fog.
70. Concrete saddle at mouth of tunnel
71. Lookout from Christ Church Rectory
72. Looking through workshops to south
73. Four panels of main arch, Sydney side, Friday 16th Aug 1929. The lookout from Christ Church Rectory. Slide on 25th Feb 1944.
74. Approach spans and western footway of the bridge on Sydney side, 1929. Some cables not yet tensioned. White piece of asbestos to stop heat if administrative offices nearby caught fire. Slide on 12th Nov 1943.
75. Finished bridge from north side, showing approach spans, pillars and pylons. From ½ plate negative 1932. White label Kodak plate slide on 12th Nov 1943.

Box 4: Sydney Harbour Bridge

1. Demolishing building at Milson’s Point to make room for approach spans, 1926. Ferricyanide toned slide 25th Feb 1944.
2. Pneumatic riveter in shops
3. Four panels on Sydney side, Friday 16th August 1929. The lookout from Christ Church Rectory. Kodak white label, varnished 28th June 1945.
4. Joining of the top chord of bridge, on the providential day 8th Sep 1930.
5. Link plates and cables, 8 deep, 16 across. The link plates are pinned to the top of the end post with the 27in diameter chromium steel pin. 15th Feb 1962.
7. Inside curve approach spans
8. Men at work on top chord
9. Looking up the top chord of main arch, July 1930, from the top of the end frame and portal. The chord is 11ft wide throughout. The creeper crane is erecting the 13th panel, and is about 120 feet from creeper on the other side. Varnished 1st Aug 1944.
10. Erecting ramp for creeper, north side
11. The decking and hangers of the bridge in course of erection. Dec 1930. Negative on whole plate from bottom lateral bracing, with 6 ½ in lens. Ilford special lantern on 26th Oct 1943.
12. Erecting link plates and cables. Eight link pins will be fitted into the holes in plates. Fabricated in the workshops. Ilford lantern, 29th Jan 1962.
13. Demolishing a chimney in preparation for the bridge, Milson’s Point 1926. The resumptions and demolitions cost the government about £5,000,000. Slide 25th Feb 1944.
15. North Sydney station (glass cracked)
16. Lookout from rectory 1924 – the new Milson’s Point wharf in Lavender Bay. The change over from the old to this site was made on 28th July 1924 at midnight exactly one year after the turning of the first sod. Photo from rectory in 1924. 7th Feb 1962. (Glass cracked across top half)
17. First panel on the south and approach spans. The vehicular ferries and ferry to North Sydney and ferry for up the river in Mar 1929. 22.1.62. (Glass cracked across top half)
18. Looking through portal opening at 4th panel from deck level to bridge site on Sydney side, Aug 1930. Note Dawes Point punt filled with motor cars. The barges together in stream indicate the closing of bottom chord. (Glass cracked horizontally)
19. Harbour Bridge from Christ Church Rectory, 3:57am 1st Jan 1935. (Glass cracked)
20. The 4 tunnels at the site of North Sydney station. St Peter’s spire and Shore School is just beyond. 22.1.62. (Glass cracked)
23. The joining of the bottom chord of bridge: the heavy forged steel saddle of northern arm, and the pilot pin, 10 inches square, 7 feet 3 ½ inches long of the southern arm. 24th Nov 1943.
24. Inside curve of north approach spans. The two halves of main arch are about 230 feet apart. 18th July 1930.
26. Bridge reflection Wed 13th Jan 1937 at 4:22am. Reflection is vanishing rapidly before oncoming light. (Emulsion layer peeling off glass on top left corner)
27. Erecting the creeper crane, weighing 522 tons, on Sydney side, Nov 1928. Photograph from Christ Church Rectory.

Spare/unfinished slides of Harbour Bridge and Broughton Centenary illustrations, landscapes

Box 5: Family pictures

1. John and Mary Cash, about 1923, John aged about 3 ½ years. Front steps of Christ Church, North Sydney. Austral lantern toned, 13th October 1943.
2. John Francis Cash, aged 3 ½ years, Jan 1924. Killed in action in his Hurricane over the Mediterranean, 16th Aug 1941. Cc from small negative. Ilford special lantern toned 13 June 1943.
3. Testing a hurricane – copy from War in Pictures. The R.A.F.’s most versatile fighter undergoes gruelling tests before delivery. The Hurricane is used as a fighter, a bomber and a convoy protector. The Hurricane with the Spitfire won the Battle of Britain. Alpha slide 26th Jan 1944.
4. John Francis Cash, August 1932, aged 12 years, at Christ Church North Sydney. From a small negative, Austral lantern toned on 10th Oct 1943.
5. Plane in a cloud filled sky. Alpha slide on 18th Sep 1943.
6. Badge of RAAF. Copy made and Alpha slide on Sun 17th Nov 1940.
7. Mr Churchill in Ireland with Ensign Franklin D. Roosevelt. Copy made from H.V. Morton’s Atlantic Meeting face p.112. Photo on Sat 16th August 1941, the day John went down in his Hurricane. Varnished, sulphide toned, 10th January 1945.
10. Memorial cot: Princess Elizabeth ward, Royal North Shore Hospital. Negative and slide in March 1944.
11. John and Mary Cash, Jan 1924. John is aged 3 ½ years. From small neg slide on 13th June 1945.
12. Detail head of John Cash, 3 ½ years, front steps of Christ Church Rectory, 1923. From a small negative. Austral lantern toned 13th October 1943.
15. Plane in a cloud filled sky. Alpha lantern plate, exposure with condenser only.
16. Seven Lincoln bombers of 82 bomber wing, Amberley, Queensland, formed the backbone of the RAAF exercises over the city and harbour bridge on Friday 4th March 1949.
17. Seven Lincoln bombers
18. Mary Cash, aged 21 years, at Christ Church North Sydney in August 1939. Varnished (Johnson’s) toned a little with methylene blue on 8th March 1947.
20. Elizabeth Cash, aged 23 years 3 months. Dufay colour, 29th Jan 1939.
21. Elizabeth Cash at Randwick, about Oct 1917, aged nearly two years. Austral lantern slide on 10th October 1943.
22. Miss Violet Elizabeth Cash, about 3 years, 1918 or 1919 at Randwick. Negative on NC film, and alpha slide on 11 July 1938.
23. Violet Elizabeth Cash, at Randwick about 1918 or 1919, aged 3 or 4 years. From a small negative on NC film, and Alpha slide on 2nd Aug 1938.
25. The plaque on Christ Church North Sydney (dedicated to John Francis Cash).
26. Miss Violet Elizabeth Cash at Randwick about 1918 or 1919, about 3 or 4 years. Sulphide toned slide, 3 diameters enlarged, on 26th June 1938.
27. Elizabeth’s party Sat 18th March 1944
29. John Cash in flight uniform Sun 11th August 1940
31. Miss Violet Elizabeth Cash, at Randwick about the year 1918, aged about three years. Negative on non-curling film in 1918 or 1919, and Alpha slide on 26th June 1938.
33. Mary Cash 29th Dec 1938 aged 20 years 4 ½ months. Dufay cut film.
34. Mary Cash, aged 21 years at Christ Church North Sydney August 1939. Thio carbamide slide exposure 35 times normal. 15th Oct 1943.
35. ‘High flight’ poem and John’s wings (RAAF badge)
36. Robynne Elizabeth Beesley aged 18 months on 11 Nov 1946. Kodak white label dyed with methylene blue, varnished with Johnson’s, 9th Dec 1946.
37. Robynne Elizabeth Beesley aged 18 months on 11 Nov 1946. Kodak white label dyed with methylene blue, varnished with Johnson’s, 9th Dec 1946.
38. Maroubra Quarry – 20 cubit in block of stone. Neg on Thurs 14\textsuperscript{th} Aug, slide on Sat 16\textsuperscript{th} Aug 1947.
40. Arro Anson in a cloud filled sky, from Rectory grounds 1943.
41. Elizabeth Cash, Randwick 1917. Negative and Alpha slide 31\textsuperscript{st} July 1937.
42. Mrs Frank Cash and her daughter Elizabeth, aged about 15 months at Randwick. Negative about February 1916 and Thiocarbamide slide 28\textsuperscript{th} April 1939.
43. Elizabeth Cash on Sun 24\textsuperscript{th} October 1943, aged 27 years 11 months at Christ Church North Sydney
44. Elizabeth Cash with ‘Hudson’s’ toy trolley, aged 3 \(\frac{1}{2}\) to 4, Randwick in 1919. Austral lantern plate 10\textsuperscript{th} Oct 1943.
45. National Park, boating. Tues 18\textsuperscript{th} Jan 1938. Ada Crisp, Miriam Cash, Elizabeth Cash, E.D.G. Booker. Negative 18\textsuperscript{th} Jan 1938 and Thiocarbamide slide 4\textsuperscript{th} March 1938.
46. Elizabeth Cash aged two years, Randwick in 1918. Small negative and Alpha slide made 9\textsuperscript{th} Oct 1936.
47. Detail of Elizabeth Cash with Hudson’s, aged 3 \(\frac{1}{2}\) to 4, Randwick, 1919. Austral lantern toned 10\textsuperscript{th} Oct 1943.
48. Mary Cash, aged 2 years 3 months – set of three oval images.
49. Mary Cash in August 1932 aged 14 years, Christ Church North Sydney. From a small negative, toned Austral lantern plate on 10\textsuperscript{th} Oct 1943. (close up)
50. Mary Cash in August 1932 aged 14 years, Christ Church North Sydney. From a small negative, toned Austral lantern plate on 10\textsuperscript{th} Oct 1943. (full length)
51. Miriam Cash bringing refreshments to Mary Cash at cricket. Wentworth Falls about 1928. Austral Lantern toned on 10\textsuperscript{th} Oct 1943.
52. Miriam Cash aged 19 years 10 months. 17\textsuperscript{th} October 1943 North Sydney.
53. Mary Cash 2 years and 3 months, October 1920, Alpha slide on 28\textsuperscript{th} January 1938.
54. Detail head of Miriam Cash, about 1930, aged seven years, from tea party negative, Christ Church North Sydney.
55. At National Park 18\textsuperscript{th} Dec 1945, Mary, Miriam, Nellie Mackey.
56. Elizabeth and Mary Cash at Randwick
57. Elizabeth and Mary Cash at Randwick
58. Miriam Cash, about 1932 or 1933, aged nine or ten, at Christ Church North Sydney
59. Detail of Miriam Cash aged nine or ten at Christ Church North Sydney
60. Leslie Knight, Bishop of Bunbury, copy from photograph on 6\textsuperscript{th} Dec 1943.
61. Miriam Cash
62. Miriam Cash in Aug 1935 aged 11 years and 8 months at Christ Church North Sydney.
63. Miriam at her own tea party under the apricot tree, Christ Church North Sydney 1930, aged seven years.
64. Elizabeth Cash and her father, Randwick. Negative made and Alpha slide 30\textsuperscript{th} July 1937
65. Miriam’s graduation day, Saturday 25\textsuperscript{th} May 1946 at church door, 3pm.
Box 6: Old Sydney

1. The great tea race of 1866. Taeping and Ariel (Spurling). Neg Feb 1936, slide 1st March 1944.
4. Meeting of the six bishops at St Andrew’s Cathedral on Sun 29th Oct 1944 at 3pm, being the successors of the six bishops at the famous meeting on 29th October 1850, 94 years earlier. From left in the same order as at the original meeting: Robin of Adelaide, West-Watson of NZ, Geoff Cranswick of Tas., Batty of Newcastle, Booth of Melbourne, Mowll of Sydney.
5. St John’s, Milsons Point, April 1943. Ilford special lantern plate, toned ferricyanide 14th April 1943.
7. Sydney four-in-hand club (copy of engraving) from “A century of journalism” p. 264. The Sydney four-in-hand club out for a drive in 1873. The Governor, Sir Hercules Robinson is in the leading carriage.
8. Pitt St at its intersection with Spring St, 1861. Copy of engraving from “A century of journalism” p. 170.
10. St Chad’s, Cremorne, April 1943. Ilford special lantern plate, ferricyanide toned.
13. King St looking east, 1853. Copy of engraving, alpha slide 7th Jan 1938.
15. Northern wall of Christ Church, North Sydney. ½ plate negative January 1924, toned Ilford special lantern plate 30th May 1943.
18. Archbishop J.C. Wright
19. George St and original Royal Hotel, 1834. Copy of engraving
22. South west view of Sydney, published 1st January 1814. Copy made from the original print, and alpha slide on 3rd Jan 1938.
24. Last landing of Bishop Patteson at Nukapu. (Copy of painting) Varnished (Johnson’s), toned with normal two colour toner on 8th March 1947.
27. Old St Phillip’s, 1853. Copy of engraving, 7th Jan 1938.
28. St Thomas’ Church, North Sydney, 1853. Copy of engraving, 7th Jan 1938.
29. Thermopylae, the greatest and fastest sailing ship ever launched. Copy of illustration made 27th March 1944.
31. First picture of George St, about 1795. Copy from C.A. Bertie’s “Story of Old George St” p. 2, 1920, and alpha slide 26th Dec 1937.
32. The First Fleet in Sydney Cove, 27th Jan 1788. Copy from Sydney Mail, 26th Jan 1938.
33. Meeting of Bishops in October 1850 for the purpose of establishing the Australian Board of Missions. Copy of photograph.
34. Australia’s first flagship HMS Sirius, entering Port Jackson 26th Jan 1788. First authentic picture of Sirius made for official records of Captain Hunter and Lieut. King. Copy made and thiocarbamide slide 26th Dec 1937.
35. Original plan of St Andrew’s Cathedral. Copy made from an old slide loaned by Mr C.A. Bertie.
36. St Thomas’ North Sydney, April 1943. Alpha slide on 23rd April 1945.
37. St Stephen’s, Willoughby, April 1943. Plain Ilford special lantern plate, 17th April 1943.
38. George St, Saturday night, 1877. Copy made from “A century of journalism” p. 263.
39. St Andrew’s Cathedral, showing western towers. Copy from Illustrated Sydney News, 16th May 1867.
41. North west pinnacle of Christ Church North Sydney. Portion from a ½ plate negative made in January 1924. Toned Ilford special lantern on 2nd June 1943.
43. St Andrew’s, Lane Cove April 1943. Ilford special lantern, ferricyanide toned 17th April 1943.
44. All Saints, Cammeray, April 1943. Ilford special lantern, ferricyanide toned 17th April 1943.
45. St Peter’s, Neutral Bay, April 1943. Alpha slide on Easter Day 25th April 1943.
46. HMAS Sydney in action. Painted by John Allcot July 1940. Copy made from frontispiece of Women’s Weekly on 6th August 1940 and Alpha slide the same day.
47. St Mark’s Church, Northbridge. Ilford Special lantern, toned ferricyanide, 14th March 1940.
49. Christ Church Lavender Bay, 1872. Alpha slide.
50. Christ Church North Sydney, 1872. Ilford special lantern slide.
52. Sydney Cove from Port Macquarie, 1853. Copy of engraving.
53. Hunter St, 1853. Copy of illustration.
55. First train arrives at Parramatta, 26th Sep 1855. Copy of illustration.
60. Bridge St in 1839, taken from the intersection of the present Bridge and Pitt Streets, looking towards Bent St. Copy of painting.
61. Sydney Coach and St John’s Parramatta, 1853. Copy of engraving 7th January 1938.
62. York St 1842 looking south from between Market and Druitt Streets. Copy of illustration.
63. St Aidan’s Longueville, April 1943. Alpha slide on 23rd April 1943.
64. Bishop Broughton’s house. Copy made from an old slide loaned by Mr C.H. Bertie.
65. George St looking south in the 1850s. Copy of illustration.
68. City from Christ Church Rectory North Sydney, 16th April 1939, showing against skyline from left: P6 tower, Shell clock, A.W.A. tower. Alpha slide on 22nd April 1939.
69. The city from Christ Church Rectory, 1938. From a ½ plate Kodak austral lantern, varnished, toned iron/uranium 17th Sep 1945.
70. Circular Quay, 1874. Copy of engraving.
71. Pitt St, looking north from Hunter St. Copy of illustration from “A century of journalism” p. 105.
72. The corner of King and George Streets, four p.m. 1864. Copy of illustration.

Box 7: Old Sydney

1. Piako ship, 1876, NZ shipping co. Copy of painting.
2. Mount Stewart, last of the two ships to be built specially for the Australian wool trade. Copy of painting.
8. Sydney from St Phillip’s Church, 1813. Copy of engraving.
11. The tank stream, pump and water cart. Copy of illustration.
12. Old St Phillip’s and present church before tower was added. Copy of sketch.
13. King St looking west, 1853. Copy of illustration.
17. Old St Phillip’s, Church Hill. Copy of engraving.
18. Milltides, iron ship. Copy of illustration.
21. Face of the Post Office clock, facing George St Sydney. 16th March 1939.
23. George St looking towards King St, 1870s. Copy of illustration from C.H. Bertie’s “The story of old George St” 1920, p. 29.
24. George St looking north from the cathedral, 1842. Copy of illustration.
25. Leander China clipper ship. Copy of illustration 28th March 1944.
27. Clipper ship Sobraon, copy of painting by Spurling.
28. Old St Phillip’s Church, 1853. Copy of illustration.
30. Erasmus Darwin’s poem on Sydney Cove.
31. 6 Lincoln bombers – RAAF exercises over city and bridge 4th March 1949.
32. St Andrew’s Cathedral. Copy of engraving by J. Cook, 1869. Kodak white label plain slide, 8th Dec 1943.
34. British Fleet air arm in farewell salute to Sydney on Monday 12th Nov 1945, 12-1pm. Kodak white label, varnished, toned iron/uranium 20th Nov 1945.
36. Post Office tower, Martin Place. Plain slide, 24th October 1942.
38. Bridge Street 1839, from intersection of current Bridge and Pitt Streets. Copy of painting, olive green dye.
39. HMAS Canberra puts to sea for the last time. Copy of painting.
40. Bridge St, Sydney 1853. Copy of illustration.
41. Flag (Union Jack) from Christ Church flagpole, Armistice Day 1937. Alpha slide on 7th November 1942.
42. Ariel tea clipper. Copy of painting.
46. Cobb’s coach with camels in place of horses. Copy of illustration from “A century of journalism” p. 205.
47. Aristides – Aberdeen white star flagship. Copy of illustration 8th March 1944.
49. ‘Sovereign of the seas’ American clipper. Copy of engraving.
50. ‘Woollahra’ ship. Copy of painting.
51. ‘Thomas Stevens’ ship. Copy of painting.
52. Bishop Broughton. Copy of portrait.
54. ‘Patriarch’ ship. Copy of painting.
55. Raising the Japanese submarine, the Midget, sunk in Sydney Harbour on Sunday 31st May 1942. Negative copy made from a poor 35mm positive. Kodak white label lantern slide 5th June 1944.
57. Eastern interior of St Andrew’s Cathedral. ½ plate negative made on 27th Nov 1939. Kodak white label lantern, varnished, dyed with methylene blue 11th Nov 1944.
58. “We’ve struck it” a group of diggers finding gold. Copy of illustration from “A century of journalism” p. 150.
62. Martin Place from roof of Bank of NSW. Plain slide on 24th October 1942.
63. St Augustine’s Neutral Bay. Alpha slide 10th May 1943.
64. St Augustine’s Neutral Bay. Copy of painting by H.G. Hills. Ilford special lantern, ferricyanide toned, 17th April 1943.
65. Rose Bay from South Head Road. Copy of painting by E. Thomas, 1856. Copy made and thiocarbamide slide 6th Jan 1938.
68. Circular Quay anniversary day, 1866. Copy of engraving, 26th Dec 1937.
69. Pitt Street looking north 1853. Copy of illustration from “A century of journalism” p. 105.
70. Clipper ship Macquarie. Copy of illustration, 6th March 1944.
72. The Tweed colonial clipper. Copy of picture by Spurling, 1st March 1944.
73. Marlborough ship. Copy of painting, 28th March 1944.
75. The great Sobrano. Copy of painting by Spurling. Sulphite toned Kodak white label, 8th March 1944.

Box 8: Natural wonders of NSW

2. The Rocking Stone, Stonehenge, 8 miles from Glen Innes. Negative on Verichrome, Sat 5th Sep 1936. Slide varnished, toned iron/uranium 26th August 1945.
3. Sid W. Jackson holding a very large cone of the Burrawang Pine, which he collected on top of Tambourine Mountain, S.E. Queensland, 7th May 1936.
6. Berry’s Bay, North Sydney, with the clipper ship Sobraon. 7th Dec 1938.
7. Flying Cloud clipper ship. Copy of illustration.
9. Her Majesty Queen Elizabeth (the Queen Mother) Copy of illustration from “The coronation of their majesties” p. 4. 31st May 1940.
11. Two jackasses (kookaburras) on Christ Church flagpole. 8th Oct 1942.
12. Port Macquarie-Kempsey Road. Wednesday 4th Sep 1940.
15. Granite tor in river bed, Glen Innes NSW. 6th Sep 1937.
17. Sandstone Island off Bondi Cliff. 7th Oct 1939.
18. Remarkable granite tor in the Moombi Ranges, not far from lookout. 9th Sep 1941.
19. Copes Creek, 12 miles from Inverell. Remarkable granite formation. Sulphite toned slide, 14th April 1938.
24. Conglomerates at Murrurundi, 8th October 1935.
25. Apsley Falls near Walcha. 4th Sep 1937.
26. Scene at Prospect Quarry, 1st July 1939.
27. Remarkable granite tor, Stonehenge, 8 miles from Glen Innes. 6th Sep 1937.
29. Penicillium at 12°C. Four glass beakers. 12th May 1943.
30. Remarkable soil erosion, five miles from Armidale on Grafton Road. 12th Sep 1938.
31. Granite tor at Stonehenge, 8 miles from Glen Innes. 5th Sep 1936.
32. Cactus flower. 16th Nov 1943.
33. Mist in valley, from park above Valley of the Waters, Wentworth Falls. 29th April 1944.
34. Curious soil erosion, a few miles from Armidale on road to Kempsey. 3rd Sep 1937.
35. Granite tor, one mile from Moonbi township, NSW. 31st Aug 1937.
37. Remarkable granite formation, Stonehenge, 8 miles from Glen Innes, NSW. 5th Sep 1936.
38. Mist in valley from above Wentworth Falls, and cliff face. 11th June 1942.
40. Beach at Scarborough, South Coast. 27th July 1936.
41. Mist in valley above Valley of the Waters, Wentworth Falls. 10th June 1942.
42. Granite tor at Stonehenge, near Glen Innes NSW. 5th Sep 1937.
43. Mist in valley above Wentworth Falls. 11th June 1942.
44. Land slide, Dog Face Rock, Katoomba, from Narrow Neck. May 1936.
45. The Weeping Rock, Wentworth Falls, 1918.
46. Tree in National Pass, Wentworth Falls, 27th Oct 1945. 2 copies
47. Tree ferns in church grounds, Mount Wilson, August 1935.
48. Remarkable granite tor at Backwater, 30 feet in height. Top of a mountain, 23 miles out from Guyra. 9th Sep 1938.
49. Cliff face above Wentworth Falls, May 1936.
50. Curious soil erosion, a few miles from Armidale on road to Kempsey. 3rd Sep 1937.
51. Conglomerates at Murrurundi, 8th Oct 1935.
52. Dog’s Face, Katoomba, showing the fall of the cliff face. 4th Dec 1940.
53. Southerly Buster roll cloud. Copy of photograph taken by Commander Lush of the Canberra at Jervis Bay, given to Mr D.J. Mares, State Meteorologist. 6th June 1944.
54. Granite formations near Tingha, NSW, 5th Sep 1936.
55. Granite at Stonehenge, 8 miles from Glen Innes, NSW. 5th Sep 1936.
56. The Orphan Rock, Katoomba. Dec 1940.
57. Curious soil erosion a few miles from Armidale on road to Kempsey. 3rd Sep 1937.
58. Sunset at Mount Boyce, about 1934.
59. Cactus flower, Christ Church Rectory, back verandah. 26th Nov 1943.
60. Trees in National Pass, Wentworth Falls, not far from Valley of the Waters.
62. Curious soil erosion, a few miles from Armidale on road to Kempsey. 2nd Sep 1937.
63. Mist in valley, Wentworth Falls, 9th June 1942.
64. Remarkable granite tor, Stonehenge, 8 miles from Glen Innes. 6th Sep 1937.
67. The hill tops and clouds from Mr Christopher Firbank’s verandah, Jenolan Caves. 3rd Dec 1940.
68. Jackass on Christ Church flagpole. 9th Oct 1942.
70. Jackass on Christ Church flagpole. 9th Oct 1942.
Box 9: Wollongong, Jenolan, Port Macquarie

1. St Thomas’ Church, Port Macquarie. 3rd Sep 1940.
2. A pillar of obsidian on the beach at Port Macquarie, 5th Sep 1940.
3. The chine at Wollongong, from Lighthouse Hill above. 28th Oct 1940.
4. The furze bush, River Cave, Jenolan Caves. 14th June 1939.
5. Pot holes in the Jubilee Cave, 567 feet from floor of cave. 14th June 1939.
7. The gem of the south – temple of Baal, Jenolan Caves. 6th May 1944.
8. The Fernery, Jubilee Cave. 14th June 1939.
9. Egyptian Chamber, Orient Cave. 15th June 1939.
11. The minaret, River Cave. 4th June 1945.
12. Helictites in the Persian Chamber, Orient Cave. 15th June 1939.
14. The blue lake, Jenolan. 16th June 1939.
15. Carlotta Arch, Jenolan Caves. 10th June 1946.
17. The Crystal Cities, Right Imperial Cave. 14th May 1936.
18. Entrance to Grand Arch, Jenolan Caves, on Sydney side. 16th June 1939.
20. The grotto of the crystal cities, Right Imperial Cave. 14th May 1936.
22. Stalactites and shawl in Indian Chamber, Orient Cave opposite Canopy. 15th June 1939.
23. Gem of the south, River Cave. 4th June 1945.
24. Honeycomb weathering in sandy tuft at Wollongong, Sat 28th Sep 1940.
25. Stanwell Park, showing great embayment due to erosion of Narrabeen beds, with Hawkesbury sandstone on top. 28th Sep 1940.
26. The lookout from Bald Hill upon Stanwell Park below. 28th Sep 1940.
27. Grand Arch, Jenolan Caves.
28. Outlook from Chris Firbank’s, Jenolan Caves, Dec 1940.
29. The tunnel, Jubilee Cave, 16th June 1939.
30. Exhibition chamber, Lucas Cave.
31. The Blue Lake, the Jenolan River. 16th June 1939.
32. Nellie’s grotto, Right Imperial Cave May 1936.
33. Helictites (detail) Persian Chamber, Orient Cave. 15th June 1939.
34. The Empress Grotto, Orient Cave. 14th June 1939.
35. Nellie’s Grotto, Right Imperial Cave. 4th June 1945.
36. The minaret, River Cave. Negative in 1927 and thiocarbamide slide on 13th Jan 1937.
37. Gem of the west, Right Imperial Cave. Negative on 16th June 1939, slide dyed with methylene blue, 10th Jan 1945.


39. Gem of the west, Right Imperial Cave. Negative on 16th June 1939, Kodak lantern on 13th Nov 1948.

40. The Angel’s Wing, Temple of Baal. Negative in 1927, varnished uranium toned Kodak white label slide 3rd July 1944.

41. Serpentine mount in the sea, Port Macquarie. Negative Tues 3rd Sep 1940, Alpha slide 19th Oct 1940.

42. Helictites in the Persian Chamber, Orient Cave, Jenolan Caves. Negative 15th June 1939, Kodak lantern plate, ferricyanide toned 5th July 1939.

43. Gem of the west, Right Imperial Cave. Negative 16th June 1939, Kodak Lantern plate, ferricyanide toned 2nd July 1939.

44. The Medusa in detail, River Cave. Negative 14th June 1939, Kodak lantern plate, ferricyanide toned 13th July 1939.

45. The Medusa, River Cave. Negative 14th June 1939, Kodak lantern plate, ferricyanide toned 8th July 1939.

46. The Canopy, Indian Chamber, Orient Cave. Negative 15th June 1939, Alpha slide 5th July 1939.

47. Egyptian Chamber, Orient Cave. Negative 15th June 1939, Thiocarbamide slide 4th July 1939.

48. Gem of the south, Temple of Baal Cave. Negative 13th June 1939, Kodak lantern plate, toned ferricyanide, 8th July 1939.

49. The Chine at Wollongong from the sea level below. Sat 28th Sep 1940.

50. The Blue Lake, Jenolan. Negative 16th June 1939, Kodak lantern slide 13th Nov 1948.

51. Margarita Cave, left Imperial. Negative on non-curling film, May 1926, Kodak white label lantern, methylene blue, 19th Jan 1945.


54. Port Macquarie beach from the hill near Niton. Archdeacon Forster’s home. Negative on Thurs 5th Sep 1940, Alpha slide 13th Oct 1940.

55. The lookout along the beach from the site of the lighthouse, a few miles from Port Macquarie. Negative on Tues 3rd Sep 1940. Alpha slide on 1st Sep 1940.

56. Beach near Berry, South Coast. Tues 28th July 1936.

57. Convict-made brick from the church at Port Macquarie. Negative and ferricyanide toned slide on 19th Oct 1940.


59. Mystery in the Persian Chamber, Orient Cave. Negative 15th June 1939, Thiocarbamide slide on 5th July 1939.

60. Brick from the ruins of Innes House, seven miles from Port Macquarie, on Thurs 5th Sep 1940. Negative and toned slide 19th Oct 1940.
61. Lake Innes House, seven miles out from Port Macquarie. Negative 5<sup>th</sup> Sep 1940, Alpha slide 24<sup>th</sup> Sep 1940.
62. Burning tree on the Kempsey Road, Wed 4<sup>th</sup> Sep 1940.
63. Detail of brick work of a room amidst the ruins of Lake Innes House, seven miles out from Port Macquarie. 5<sup>th</sup> Sep 1940.
64. Mouth of the Chine in mudstone, Wollongong. 28<sup>th</sup> Sep 1940.
65. Exhibition chamber, Lucas Cave, Jenolan Caves. May 1926.
66. Gem of the south, River Cave, Jenolan Caves. 1936.
68. Carlotta Arch, Jenolan Caves. Negative 1934, slide 28<sup>th</sup> May 1944, dyed with methylene blue.

Box 10: Trees, Rivers, Rocks

1. Remarkable granite formations at “The Common” 1 mile from Glen Innes. October 1936.
2. On the road to Mona Vale, 1919
3. Ant Hill, near Hillgrove, and Miriam Cash aged 13 years and 9 months. 2<sup>nd</sup> Sep 1937.
4. Granite tor, The Common, Glen Innes. 6<sup>th</sup> Sep 1937.
5. Granite blocks at Copes Creek, 12 miles from Inverell. 4<sup>th</sup> Sep 1936.
6. Entrance to Wall’s Cave.
7. Remarkable granite tor, near Hillgrove, New England, NSW. 2<sup>nd</sup> Sep 1937.
8. Blue Gum on road, Taree. 10<sup>th</sup> Sep 1936.
9. The gorge at Apsley Falls, near Walcha, New England. 4<sup>th</sup> Sep 1937.
10. Granite formation, Moonbie Ranges. 1<sup>st</sup> Sep 1936.
11. Granite tor, The Common, Glen Innes. 6<sup>th</sup> Sep 1937.
12. Granite block in bed of creek, about three miles from Inverell. 4<sup>th</sup> Sep 1936.
13. Granite formations, Stonehenge, 8 miles from Glen Innes. 5<sup>th</sup> Sep 1936.
14. Three tiered granite tor, Cope’s Creek, three miles from Inverell. 17<sup>th</sup> Sep 1945.
15. Fig tree near Wollongong, 28<sup>th</sup> Aug 1935.
17. The sharp turn in the road, approaching Mount Wilson. 26<sup>th</sup> Oct 1937.
18. Granite block, Cope’s Creek, twelve miles from Inverell. 4<sup>th</sup> Sep 1936.
19. Suspension bridge, connecting the suburbs of Suspension Bridge and Northbridge. 18<sup>th</sup> Jan 1938.
20. Granite formations, Stonehenge, 8 miles from Glen Innes. 5<sup>th</sup> Sep 1936.
21. Granite formations, The Common, Glen Innes. 7<sup>th</sup> Sep 1936.
22. Blow hole at Kiama, 26<sup>th</sup> July 1936.
23. Shag Island, Kiama, NSW 28<sup>th</sup> July 1936.
24. Granite formations, 20 miles from Inverell. 4<sup>th</sup> Sep 1936.
25. The river at Bendemeer, 16<sup>th</sup> October 1935.
26. Conglomerate at Murrurundi, 8<sup>th</sup> Oct 1935.
27. Chestnut in bloom, Mount Wilson, NSW 26<sup>th</sup> Oct 1937.
31. Curious soil erosion, a few miles from Armidale on road to Kempsey. 3rd Sep 1937.
32. Gorge at valley of the waters, Wentworth Falls.
34. Wentworth Falls.
35. Granite tor four miles from Hillgrove, NSW. 3rd Sep 1937.
36. Elegant blue gums, on road between Kempsey and Armidale. 10th Sep 1936.
37. Blue gum, Armidale-Kempsey road. 9th Sep 1936.
39. Rustic bridge, water course, cleft in rock, about 50 yards before Wall’s Cave, Blue Mountains out from Blackheath.
40. “Watersleigh”, Nowra, the home of the Mottrams. 1935.
41. Drive of elms and chestnuts, Mount Wilson, 26th Oct 1937.
42. Conglomerate at Murrurundi, 8th Oct 1935.
43. Rocks at Murrurundi, 8th Oct 1935.
44. Ruined Castle, Jamieson Valley, 4 ½ miles out from the Orphan Rock, Katoomba. 20th May 1937.
45. Drive of elms and chestnuts, Mount Wilson, 1935.
46. Three Sisters, Katoomba, 4th Dec 1940.
47. Tree fern, Mount Wilson.
48. Detail of granite in river bed, Glen Innes. 7th Sep 1936.
49. Granite formation, Cope’s Creek, about 12 miles from Inverell. 4th Sep 1936.
50. Coalcliff headland, South Coast, 27th July 1936.
51. Kiama beach, 28th July 1936.

Box 11: Koalas

Box 12: Coronation

Box 13: Coronation and royal family

4. Princess Elizabeth at the time of the coronation, May 1937. Copy of painting 1st June 1940.
5. Her Majesty Queen Mary, aged 80. Dyed methylene blue, 28th March 1953.
10. Trooping the colour, 9th June 1949.

Armistice Day march, Martin Place, 1937

Spare copies of ships and illustrations of South Africa

Box 14: Coronation

Box 15: The Warrumbungle ranges

Box 16-17: Copies of paintings of New Testament scenes

Box 18: Copies of paintings of Christ and his life

Box 19-20: Copies of paintings of Old Testament scenes

Box 21-22: Hymn lyrics

Box 23: Service texts

Box 24: Duplicate/unfinished slides: Coronation

Box 25: Duplicate/unfinished slides: Religious artwork, hymns, rocks and rock formations