
THE HOLDEN COLLECTION
SOLAR CARS AND RACING

BRG 213
Series List
Series 88

Includes Sunraycer, World Solar challenges and US solar races.

Hans Tholstrup's BP sponsored west to east crossing of Australia in a solar vehicle, *The Quiet Achiever*, initiated the idea of a solar race in Australia. The inaugural Pentax World Solar Challenge was a 3200km race from Darwin to Adelaide held from November 1-6 1987. The event was staged by Hans Tholstrup with 25 vehicles from 7 nations competing. The object of the General Motors entrant, the *GM Sunraycer*, was to win the race for GM to show the advances in GM alternative technology. *Sunraycer* won in 44 hours and 54 minutes, averaging 41 miles per hour. GM did not directly enter the event again but assisted schools and US colleges.

World Solar Challenges were held in 1990 (won by *Spirit of Biel*), 1993 (*Honda Dream*) and 1996 (*Honda*). GM and Holden had strongly supported the event for most of this time with support vehicles and assistance to school and college entries.

The South Australian government purchased the race from Tholstrup after the 1996 event and the next World Solar Challenge was held in 1999 (won by the Australian entry *Aurora*), followed by races in 2001, 2003, 2005, 2007, 2009, 2011, 2013, 2015 and 2017.

The GM Sunrayce USA was initiated to prepare US teams for the World Solar Challenge and entry was limited to educational institutions in North America.

Papers relating to race manuals 88/1
1987 4cm (2 parts)
[Includes race manuals for John Bremner and Chuck Chapman with Sunraycer team schedule, bulletins, personal profiler.]

Papers and photographs from Sunraycer press kits 88/2
1987 5 cm. (4 parts) Original slides WITHDRAWN, view online. Original transparency WITHDRAWN, view online. Selected original photographs WITHDRAWN, available by request.

[Includes GM Sunraycer press releases and associated Holden releases, details of competitors, slides and photographs relating to preparations for the World Solar Challenge and the GM Sunrayce in America, and the World Solar Challenge in Australia. Includes a press release for the VK Group A SS Commodore, which was launched at the same time]

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- Photographs 88/3
1987 3 cm (3 parts). Originals negatives WITHDRAWN.
[Includes additional colour and black and white photographs and negatives of Sunraycer under the shell, exterior, drivers, start at Casuarina Square N.T, and general views including support crew's motorhome. Also contains script for Sunraycer film.]
- Papers and correspondence of John Morrison relating to Sunraycer planning and participation 88/4
1987 7cm (3 parts)
[Includes administration, Australian program, personnel, programs, PR plan, accommodation, race team and media relations, logistics, vehicles, Holden dealers, news releases, bulletins.]
- Papers and correspondence of John Bremner relating to Sunraycer planning and participation 88/5
1987 6cm (3 parts)
[Includes PR planning, Holden involvement, press clippings, costs, vehicle arrangements.]
- Papers and correspondence of Marcus McInnes 88/6
1987 17cm (7 parts)
[Includes Australian program, race team, media relations, logistics, accommodation, vehicles, personnel, correspondence with Hans Tholstrup, media, contacts, general correspondence.]
- Papers and correspondence relating to satellite usage during the race 88/7
1987 0.5cm
[Includes supply and maintenance agreement between Telecom and HMC Ltd, Aussat agreement and brochures.]
- Papers relating to the General Motors' reasoning for entering the race 88/8
1987 0.5cm Original transparencies WITHDRAWN, view online.
[Includes aims and objectives of General Motors' entry in World Solar car challenge with copies of overhead transparencies]

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- Ephemera – Promotional items 88/9
ca.1987-1990 8 cm. Part OUTSIZE 6&7. Items 1-3,5a&b,6-10,18 originals WITHDRAWN.
[Includes: 1. Cap; 2. Keyring; 3. Access pass for Marc McInnes; 4. Embroidered shoulder badge; 5a. 'Holden' and 'GM' 1990 Solar Challenge sticker (large); 5b. 'Holden' and 'GM' 1990 Solar Challenge sticker (small); 6. 'GM Sunraycer' sticker; 7. '88' sticker; 8. 'Pentax World Solar Challenge' sticker; 9. 'GM Sunraycer' sticker with sponsors (small); 10. 'GM Sunraycer' sticker with sponsors (large). Also includes children's give away kit in 11. plastic carry bag, containing 12. Press release 10 September 1987; 13. pamphlet 'The Sunraycer story' with specifications; 14. board game 'Race for the sun'; 15. Poster; 16. Sticker; 17. Photograph. Includes: 18. 'Holden' 'GM' 'World Solar Challenge' sticker].
- Papers relating to Sunraycer's journey 88/10
1987 0.5cm (3 parts 10/2 o/s m/c)
[Includes handwritten notes on loose pages and in notebook describing the activities of the team prior to the race starting and a run down of where the Sunraycer vehicle was in the race compared with other teams and how far the vehicle travelled each day.]
- Press clippings 88/11
1987 3cm (2 parts)
[Includes clippings about Sunraycer before and during the challenge and post race analysis and comment.]
1. Monograph – *Sunraycer's solar saga* by Bill Tuckey. The Berghouse Floyd Tuckey Publishing group, Gordon, NSW 1987. 88/12
2. Monograph – *Sunraycer* by Bill Tuckey, Chevron Publishing Group, Hornsby, NSW 1989
- Papers relating to the solar survey 88/13
1987 1.5cm (3 parts)
[Includes report on the journey from Darwin to Adelaide, odometer readings with related points of note and conditions and specific details of the journey, and a pamphlet on GM Sunraycer specifications and other info on World Solar Challenge, the GM Sunraycer team, and support organisations].

Student information 1987 1cm (4 parts) 14/1 OUTSIZE 7 [Includes pamphlets, booklets, teacher aids and lesson handouts]	<u>88/14</u>
Papers relating to Sunraycer 88 program 1988-1989 0.5cm (1 part) [Includes post race public relations, science education program, achievement, gifts, books, videos and post race press coverage.]	<u>88/15</u>
Certificate 1987 0.5cm. [certificate] OUTSIZE 7, [[listing] original WITHDRAWN. [Tourism South Australia certificate awarded to participants in Pentax World Solar Challenge, with list of those to whom sent.]	<u>88/16</u>
Papers of Marcus McInnes relating to Sunrayce USA 1989-1995 20cm (9 parts in 10 folders). Original pencils WITHDRAWN, photocopies available. Original negatives WITHDRAWN, access by special arrangement only. [Includes: 1. arrangements for M McInnes' participation in Sunrayce USA, 2. Sunraycer route details, 3. official program, race regulations, race route, 4. newsletters from the Puerto Rico team, souvenir shaped pencils, collection of media clippings, timeline, scoring, accommodation, correspondence, bulletins, newsletters, invitations and press releases and negatives; 5. Pamphlets[2] and photographs of the University of Michigan Sunrunner, 1990].	<u>88/17</u>

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- Papers relating to the World Solar Challenge 1990 88/18
1990 40cm 5 parts in 7 folders.
[Includes:
Volume 1 a&b – GMHA logistics, Australian technicians, cars and wagons, communications, Australian Pacific tours, accommodation, logistic supplies, trucks and trailers
Volume 2 --WSC correspondence, newsletters, bulletins from Energy Promotions, race results, NT University newsletters and bulletins, GM Sunrayce, solar car, electric car
Volume 3 – GMIPR, advanced engineering, GMHA public relations, GMHA management, GMHA marketing, George Ettenheim, Howard Wilson
Volume 4/1-2– GM requisitions, GM communications, GM support advanced engineering, Holdens consumer influences
Volume 5 – press clippings
- Additional papers of Marcus McInnes relating to the development of and GM involvement with the 1990 solar car race, including photographs 88/19
1989-1991 20cm. Items 12-13 originals WITHDRAWN.
[Includes: 1. level of GM involvement in 1990 race; 2. general correspondence; 3. participation of Society of Automotive Engineers, 4; Melbourne Motor Show display of Sunraycer; 5. Chisholm/ Parhelion solar car project; 6. coordination and planning of GM sponsored teams; 7. media reports; 8. Aussat/Telstat payment disputes; 9. press releases; 10. monograph *Sunracing*; 11. newswire photographs for AP; 12. banner sticker, with sponsor's logos; 13. Dripstone High School entry numberplate.
- 1990 World Solar Challenge – official publications 88/20
1990 1cm (1 part)
[Includes press kit, pre-regulations, route notes, press releases, official program.]
- Papers relating to the Australian Safari solar race from Darwin to Alice Springs 88/21
1990 1cm (1 part)
- Papers relating to the alternative energy research and development 88/22
1990-1991 0.5cm (1 part)
[Includes research papers, electric vehicle news, press releases and conference papers.]

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- Papers relating to the World Solar Challenge 1993 88/23
1993-1994 16.5 cm (5 parts) Item 1 OUTSIZE 1; part original
Vol.1[stickers] WITHDRAWN.
[Volume 1: GM Organisation
Stickers, Action F/U, GMHA PR strategy, EDS media
room-correspondence and brief, event timing, vehicles,
logistics, promotion & display, entries, route, awards &
presentation.
Volume 2: History file
GMHA Correspondence, GM Corporate, WSC entries,
WSC correspondence general, media correspondence,
miscellaneous, model solar competition, US entry
correspondence, WSC 1990 notes.
Volume 3: WSC media book
results, press releases, active media correspondence,
media contacts, press clippings.
Volume 4:WSC Organisation book
Bulletins, newsletters, correspondence.
Volume 5: Australian schools
Dripstone, Annesley college, Monash University,
Northern Territory University, Other Australian schools.]
- Monograph – *Solar racing cars, 1993 World Solar Challenge* 88/24
1994 1 cm
[Includes; 1. Book; 2. Pamphlet]
- Papers and media reports on the 1993 World Solar challenge 88/25
1993 2 cm (2 parts)
[Includes regulations, media releases, post cards,
magazine articles In French and English.]

Papers relating to the 1996 World Solar Challenge
1994-1996 14 cm Item 2 OUTSIZE 1; original videorecording
WITHDRAWN.

88/26

[Papers comprising:

1. Newsletters, media reports and some correspondence;
2. Folder of working papers and pamphlets including sections on follow up, strategy, entrants, general and school correspondence, newsletters and bulletins, media releases & articles, facts & brochures, Sunrayce '95, 'Race the Sun' film;
3. Additional papers comprising event information booklet (and World Solar Cycle Challenge), unused engraved award plate for '1996 World Solar Challenge GM Sunracer [Sunraycer] Award for Technical Innovation/Achievement' intended for University of Queensland's 'Sun Shark', working papers including results, Adelaide program, CSIRO and Monash papers, University of Adelaide Faculty of Engineering 1996 WSC booklet, 'Race the Sun' film script revised by Barry Morrow, and a media release for Hercules electric bicycle (2 parts)].
4. Video 'Solar Challenge', 1996, Double D Technical Productions.

Negatives and colour transparencies relating to the 1993 Solar
Challenge
1993 1.5cm. Originals WITHDRAWN.

88/27

1. Transparencies. View online – search BRG 213/88/27
2. Negatives. See BRG 213/88/30 for photograph prints

Interviews on the Solar Challenge
1990. 6.5 cm (4 sound cassettes) Originals
WITHDRAWN

88/28

1. Interview on 3AW Max Kirwan's Motor Show with Mark McGuiness of Holden, NSW
2. Interview on 5CK by Paul Hastings with Penny Rosen,
Chisolm Institute of Technology
3. Interview on 3LO by Peter Costigan with Hal Holmes,
Renewable Energy Authority, Victoria
4. ABC Radio National Science Show on the World
Solar
Challenge

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- Lectures from GM Sunraycer Case History 88/29
1990 9 cm OUTSIZE 1
[Folder of lecture material, Ae 107a Graduate Aeronautical Laboratories, California Institute of Technology 1988. Topics include: Overview; Energy; Power System; Operations; Structure. Published by Society of Automotive Engineers Inc. 1990].
- Photographs relating to the 1993 Solar Challenge 88/30
1993 9 cm OUTSIZE 1 (Negatives held at BRG 213/88/27)
[Colour photographs of Day 2 and 3 of the event, including solar vehicles, spectators, support crew and vehicles, and views of the landscape on route from Darwin to Adelaide].
- Additional papers, correspondence and invoices relating to the 1987 Solar Challenge, Sunraycer, and support crew 88/31
1987 1 cm (3 parts)
[Includes papers on costs and planning for motorhome use, support crew, accommodation, support vehicle costs, team, Sunraycer transport and the event. Includes invoices from Greg Lynch and Hec Meehan].
- BP Solar Trek brochure 88/32
1982-1983 0.5 cm
[Brochure on 'The Quiet Achiever', the first solar powered vehicle to cross a continent, and the BP Solar Trek the vehicle made from Perth to Sydney].
- Papers, booklet, receipts and news release for 1990 Solar Challenge 88/33
1987-1991 3 cm
[Includes fuel account docket, press kit and 'Who is Who' booklet, press releases, photograph of Holden transporting a solar car, notes on program and GM and Holden sponsorship, and a letter from Bob Hawke]

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- Papers of Gaffney International Licencing, marketing company
1987-1993 3 cm (3 parts) Original slides,
transparency and VN Commodore [item 2a] photograph
WITHDRAWN. 88/34
[Includes papers, photographs, slides and media
releases relating to the 1987, 1990 and 1993 Solar
Challenges. Also contains papers and photographs of
Holden's Group A VN Commodore, transparency of an
Opel car, and slides of GM's Hybrid cars, the HX3 van,
the AeroVirement designed Impact concept car, and
the Ultralite]
- Papers relating to the 1999 Solar Challenge 88/35
1998-1999 1 cm Part item 3 [stickers] originals
WITHDRAWN.
[Includes: 1. papers, correspondence, and a list of
monetary and vehicle support provided by Holden for six
educational institutions and schools; 2. colour
photographs of the University of Queensland's
'Sunshark' solar car; 3. Folder of papers with
correspondence, support vehicle proposal with Holden,
Sunrayce 97 papers, 1998 World Solar Challenge
booklet, mission statement, stickers,
and World Solar Cycle Challenge].
- Article on Northern Territory University's 'Desert Rose' solar car 88/36
2000 0.5 cm
[Vol.12, No.2 of 'Intuition', the Northern Territory
University news with a cover story on the NTU's solar
car 'Fuji Xerox Desert Rose' creating a World Record in
the SunRace 2000].
- Papers relating to the 2001 Solar Challenge 88/37
2001 0.5 cm Original slide WITHDRAWN.
[Includes papers and the original colour slide of the
image used in the World Solar Challenge Technical
Award – see also BRG 213/88/30/178-179].
- Invitation to World Solar Challenge function 88/38
1987 0.5 cm
[Invitation card from Mayor and Mayoress Condous to a
reception for the Pentax World Solar Challenge
participants, 10 November 1987].

Pamphlets

88/39

ca.1987 1 cm

[Includes: 1. 'The GM Sunraycer Story'; 2. Australian and New Zealand Solar Energy Society (ANZSES); 3. 'General Motors – Green'].