

Master swimmer, Boak, returns from Tokyo meet

THE WOODLANDS — Tom Boak, has devoted eight years of his time and effort to the development of an internationally acclaimed masters Swimming Program for adults aged 25 and over.

Boak recently traveled to Tokyo, Japan for the first Masters World Championships, July 12 through the 16, where he won fourth place medals in the 50 and 200-meter breaststroke, fifth place medals in the 100-meter breaststroke and 200-meter freestyle relay, an eighth place medal in the 200-meter freestyle and a ninth place medal in the 200-meter medley relay.

"It was an incredible experience," says Boak, who has been a resident of The Woodlands since 1978 and is vice president of CTC Enterprises, Inc., a custom homebuilding company based in The Woodlands since 1975.

"There were more than 3,500 competitors from 20 countries represented at the championships," he said. Although Boak was the only Masters swimmer from The Woodlands, there were 36 swimmers from the Lone Star Master Team, of which Boak is a member, representing other areas in the state of Texas. They competed in Yoyogi Stadium, site of the 1964 Olympic swimming events in Japan.

A dedicated, self-motivated athlete, Boak is as involved in the administrative side of the Masters Program as he is in the competitive aspect. He was elected president of the U.S. Masters Swimming Program in September, 1985, with responsibility for 16 standing committees and a membership of 22,000 registered athletes.

The Program is as highly organized as Boak's personal training regimen. When training for a meet, Boak swims six days a week, up to 4,000 yards per day. He trains at The Woodlands Athletic Center, where he and Olympic diving coach Dick Smith began The Woodlands Masters Program.

"At the time, I was about 60 pounds overweight, and Smith encouraged me to make some changes in my lifestyle and get back in shape," Boak says. "I began dieting, playing tennis and some lap swimming a few years

later, but by 1978, that level of swimming wasn't enough exercise," he said.

At Smith's suggestion, he looked into the Masters Program and began training on his own until John Vogel, now head aquatics coach at The Woodlands Athletic Center, and Joel Engel began coaching him along with The Woodlands Swim Team in 1982.

From the beginning, Boak was instrumental in organizing The Masters Swimming Program at The Woodlands, and its membership eventually grew from one (Boak himself) to 75 members now involved in the program for either fitness, competition or both.

"Most people become interested in Masters Swimming for physical fitness, weight and stress control," he says. "The competition is a fringe benefit for those who want the challenge. For me, having a specific competitive goal provides the motivation to train harder."

The main Masters competitions are the Nationals which are divided into two segments, the Long Course and Short Course, and the Zone Championships. The Woodlands Athletic Center hosted the Short Course Nationals in 1982 and the Zone Championships in 1984 and again this year.

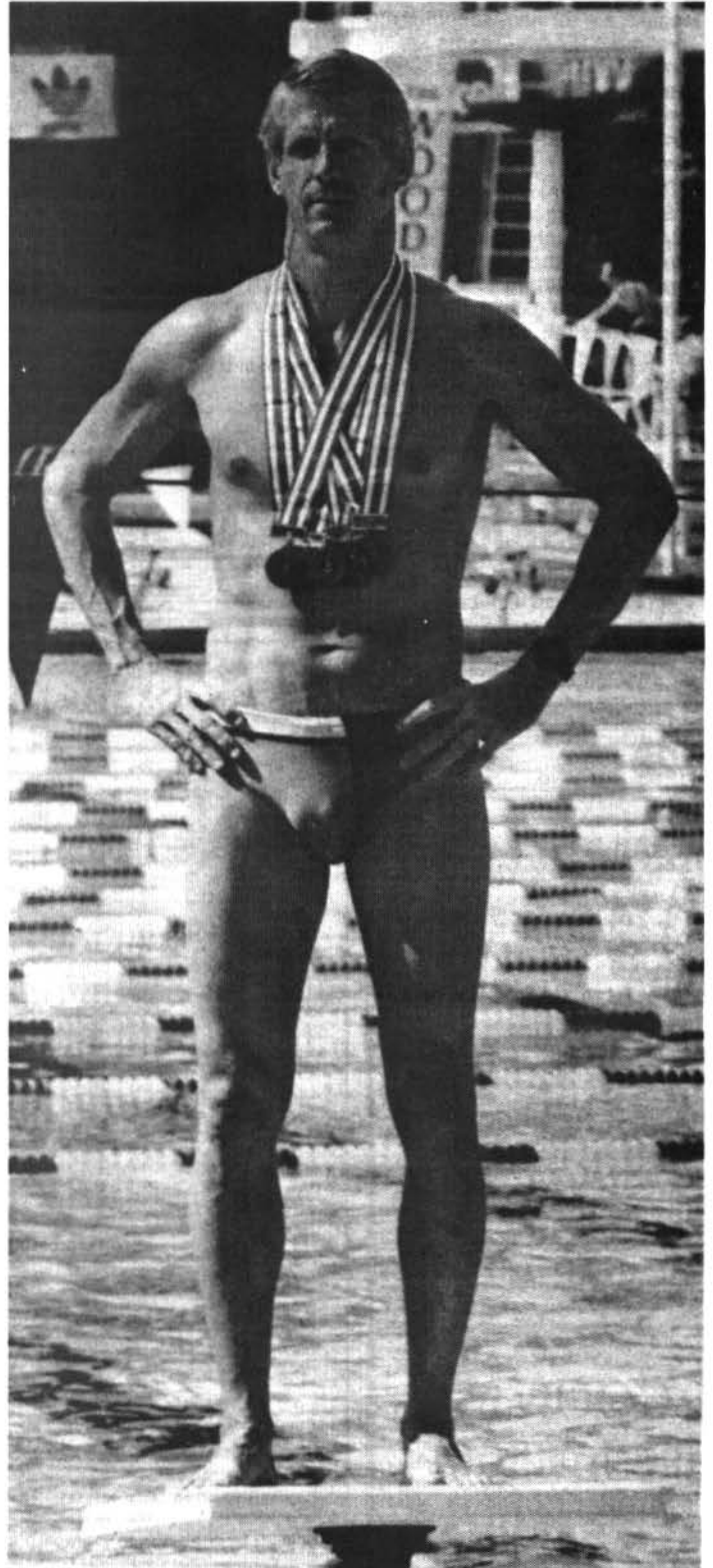
"We sent 21 people from The Woodlands to the nationals in Florida this past May," Boak says. The team now has its own coach, Denise Welch, and organized workouts in the mornings and evenings.

"It's been gratifying to be involved in the development of the Masters Program from the beginning, because I've watched it grow and become a part of the extensive athletic programs in The Woodlands, he says.

"Because it's an adult program, we act as role models for some of the younger swimmers at the Center and encourage them to compete no matter what their level of expertise might be."

Those who know Boak well and have trained with him over the years, say he has even higher goals for the Masters Program.

"One of his goals is improvement of international relations through competition," says Wanda Mason, a fellow Masters swimmer.



**TOM BOAK
MASTER SWIMMER RETURNS FROM TOKYO**

1ST. FINA / MSI WORLD MASTERS SWIMMING CHAMPIONSHIPS

WOMEN 50 FREE STYLE

25 TO 29 (WORLD RECORD 00:26.77)

- 001 00:29.53 MELICK KAREN *
- 002 00:29.61 FARNA LUCIA COELHO
- 003 00:29.67 IKEDA YUIKO
- 004 00:30.45 SYLVIA PLOOS VAN AMSTEL
- 005 00:30.50 DOBBIE VERITY JANE
- 006 00:31.81 HIROSE MARI
- 007 00:32.16 MITSUI YOSHIE
- 008 00:32.57 MATSUYAMA NORIKO

30 TO 34 (WORLD RECORD 00:27.90)

- 001 00:27.45 HIRSTY JACKI *
- 002 00:28.99 KARRASCH SALLY
- 003 00:29.39 WORTHEN KIMBERLY
- 004 00:29.92 WOLFF JENNIFER GAE
- 005 00:30.61 KENT LORRAINE
- 006 00:30.63 CLIFTON JENNY
- 007 00:30.72 VANDERLEET JILL
- 008 00:31.41 GONSHI EIKO

35 TO 39 (WORLD RECORD 00:29.03)

- 001 00:30.42 KIHARA MICHIKO
- 002 00:30.63 MARRIOTT JACQUE
- 003 00:30.82 MARTIN PAULA
- 004 00:30.85 RUSSELL ROBIN
- 005 00:31.60 DAVEY COLLEEN JOY
- 006 00:31.80 BRAY SANDRA
- 007 00:32.08 MAGAT JOAN
- 008 00:32.28 CONNERY MARGARET
- 009 00:32.28 FARRAR KATE

40 TO 44 (WORLD RECORD 00:29.10)

- 001 00:30.00 WILSMORE
- 002 00:31.74 WATSON JAN
- 003 00:31.80 FLEMING CAROLYN
- 004 00:32.21 WOOD MARY LOU J
- 005 00:32.61 LOPEZ F GEORGINA
- 006 00:33.63 BUKOWSKI BARBARA
- 007 00:33.77 MAIKUMA ROSA
- 008 00:34.48 COSTA MARIA

45 TO 49 (WORLD RECORD 00:30.43)

- 001 00:31.97 OOSAKI YOSHIKO
- 002 00:32.08 FRASER DAWN
- 003 00:33.00 SHAMOTO MIWA
- 004 00:33.47 BRAMIHAM SYLVIA
- 005 00:33.86 RADEMAKER SPERRY
- 006 00:34.22 LITTLE JEANNE
- 007 00:35.13 WRIGHT DORIS
- 008 00:35.56 ROBINSON GLORIA

50 TO 54 (WORLD RECORD 00:31.48)

- 001 00:34.07 MOQUADE MARJORY
- 002 00:34.71 SATOH HISAKO
- 003 00:36.35 EASUN KAY
- 004 00:37.14 STANLEY ANNE
- 005 00:37.31 STRUDLEY BEVERLEY
- 006 00:37.46 KIMOTO MISAKO
- 007 00:37.50 PENHA LIRA ALVES
- 008 00:37.91 KAGEYAMA KATSUKO

55 TO 59 (WORLD RECORD 00:32.60)

- 001 00:33.65 SHIMIZU AKIKO
- 002 00:37.64 INOBE MIEKO
- 003 00:38.34 NAWADA REIKO
- 004 00:40.02 IBE CHISE
- 005 00:40.55 LARCOMBE MYRA
- 006 00:40.73 COOK JILL
- 007 00:41.36 DR.GROSS HEDWIG
- 008 00:41.61 KOBAYASHI YOHKO

60 TO 64 (WORLD RECORD 00:35.03)

- 001 00:35.01 JOHNSON OLGA VALERIE
- 002 00:36.12 CUNNINGHAM MARGARET
- 003 00:37.16 TANI MASUMI
- 004 00:39.35 KUWAYAMA UMEKO
- 005 00:40.89 NAITOH HIDEKO
- 006 00:41.45 MITA TSUNEO
- 007 00:41.83 SUZUKI SATOKO
- 008 00:43.66 OGAWA CHIYOKO

65 TO 69 (WORLD RECORD 00:36.97)

- 001 00:37.64 KERR CATHERINE
- 002 00:38.12 DRAKE BROCKMAN JUDITH
- 003 00:42.09 BURRILL BILLIE ANN
- 004 00:42.56 HOFFMANN RJAH
- 005 00:42.84 ETIENNE AUDREY H
- 006 00:45.20 HASEGAWA YASUKO
- 007 00:45.46 MITOKU KIYOKO
- 008 00:46.97 YOSHIDA NOBUKO

70 TO 74 (WORLD RECORD 00:39.29)

- 001 00:39.87 VOKRATH FRANCES
- 002 00:43.24 CLARK NANCY
- 003 00:46.64 SHIGEMITSU MASA
- 004 00:48.27 HARNISCH GRETE
- 005 00:50.06 GAMENARA NELLA
- 006 00:53.03 WAKAMORI TEIKO
- 007 00:54.04 CHENAUX JEAN K
- 008 01:01.91 NACHTIGALL LIESEL

75 TO 79 (WORLD RECORD 00:44.53)

- 001 00:41.88 WADA UME
- 002 00:46.09 WRIGHT MYRTLE
- 003 00:50.25 CHERRIMAN VIVIANNE
- 004 00:55.09 HEDGES RENE

005 01:15.47 HYDE DORIS

006 01:23.99 TAKADA AYAKO

007 01:54.20 KATHO KIMI

85 TO 89 (WORLD RECORD 01:06.94)

001 01:14.90 PECKHAM ELLA *

WOMEN 100 FREESTYLE

25 TO 29 (WORLD RECORD 00:59.34)

- 001 01:04.67 FARNA LUCIA COELHO
- 002 01:06.57 SYLVIA PLOOS VAN AMSTEL
- 003 01:07.49 GREENE WHITLEY
- 004 01:09.52 KAWAMURA MOTOE
- 005 01:09.74 MITSUI YOSHIE
- 006 01:10.52 ONEILL MARY
- 007 01:11.13 MILLAR JAWICE
- 008 01:12.25 SAKIHAN SUZANNU

30 TO 34 (WORLD RECORD 01:00.98)

- 001 01:00.47 HIRSTY JACKI *
- 002 01:04.00 KARRASCH SALLY
- 003 01:04.12 WORTHEN KIMBERLY
- 004 01:06.00 STROUP VERONICA A
- 005 01:07.78 KENT LORRAINE
- 006 01:07.81 RENNIE DIANE
- 007 01:08.22 MURAYAMA YOSHIMI
- 008 01:08.49 HOLMES ELIZABETH PARK

35 TO 39 (WORLD RECORD 01:03.82)

- 001 01:07.19 KIHARA MICHIKO
- 002 01:07.39 JOHNSON LUCY
- 003 01:09.21 MARTIN PAULA
- 004 01:09.77 MARRIOTT JACQUE
- 005 01:10.45 RUSSELL ROBIN
- 006 01:10.90 BRAY SANDRA
- 007 01:11.14 FARRAR KATE
- 008 01:13.50 MAGAT JOAN

40 TO 44 (WORLD RECORD 01:07.15)

- 001 01:09.81 WATSON JAN
- 002 01:10.11 FLEMING CAROLYN
- 003 01:12.18 WOOD MARY LOU J
- 004 01:15.41 BUKOWSKI BARBARA
- 005 01:17.38 PARKIN LESLEY
- 006 01:18.79 COSTA MARIA
- 007 01:18.80 LOPEZ F GEORGINA
- 008 01:20.62 IKEDA TAEKO

45 TO 49 (WORLD RECORD 01:09.42)

- 001 01:09.60 OOSAKI YOSHIKO
- 002 01:11.24 WEIR LIRNNE B
- 003 01:12.51 FRASER DAWN
- 004 01:19.84 SHAMOTO MIWA
- 005 01:21.75 TSUJIMOTO EMIKO
- 006 01:21.84 WRIGHT DORIS
- 007 01:22.41 LITTLE JEANNE
- 008 01:23.92 WINGATE PAULINE

50 TO 54 (WORLD RECORD 01:11.49)

- 001 01:11.24 BRUNER JAYNE *
- 002 01:18.54 MOQUADE MARJORY
- 003 01:18.04 SATOH HISAKO
- 004 01:20.00 WILSON BARBARA
- 005 01:24.22 EASUN KAY
- 006 01:24.85 STANLEY ANNE
- 007 01:27.08 SHONO AKIKO
- 008 01:27.32 STRUDLEY BEVERLEY

55 TO 59 (WORLD RECORD 01:13.80)

- 001 01:15.08 SHIMIZU AKIKO
- 002 01:22.01 EUAWS HELEW
- 003 01:27.82 NAWADA REIKO
- 004 01:32.99 MALCOLM SHIRLEY
- 005 01:33.26 INOBE MIEKO
- 006 01:36.27 LARCOMBE MYRA
- 007 01:36.66 IBE CHISE
- 008 01:37.11 DR.GROSS HEDWIG

60 TO 64 (WORLD RECORD 01:20.10)

- 001 01:23.69 JOHNSON OLGA VALERIE
- 002 01:25.37 CUNNINGHAM MARGARET
- 003 01:25.61 HEPNER LOUISE
- 004 01:29.88 TANI MASUMI
- 005 01:30.81 NAITOH HIDEKO
- 006 01:35.77 KUWAYAMA SUGAKO
- 007 01:37.11 OKI NATSUKO
- 008 01:40.67 ITAI MACHIKO

65 TO 69 (WORLD RECORD 01:28.26)

- 001 01:26.56 KERR CATHERINE
- 002 01:30.59 DRANK BRICKMAN JUDITH
- 003 01:35.15 BURRILL BILLIE ANN
- 004 01:40.74 ETIENNE AUDREY H
- 005 01:41.25 HOFFMANN RJAH
- 006 01:44.77 HASEGAWA YASUKO
- 007 01:54.46 HATTORI KAZUKO
- 008 01:54.78 HEATH LOU

70 TO 74 (WORLD RECORD 01:31.45)

- 001 01:32.14 VOKRATH FRANCES
- 002 01:44.49 CLARK NANCY
- 003 01:51.40 SHIGEMITSU MASA
- 004 01:55.21 GAMENARA NELLA
- 005 02:01.52 BANDOH CHIYOKO *
- 006 02:05.36 HIKANISHI HIDEKO
- 007 02:14.09 ITOU HIROKO
- 008 02:16.79 FURUYA TAYO

75 TO 79 (WORLD RECORD 01:44.03)

001 01:39.28 WADA UME

002 02:00.76 CHERRIMAN VIVIANNE

003 02:52.56 TAKADA AYAKO

WOMEN 200 FREESTYLE

25 TO 29 (WORLD RECORD 02:11.91)

- 001 02:16.16 NEVILLE CATHY *
- 002 02:23.37 FARNA LUCIA COELHO
- 003 02:23.73 KILLMIER ANITA
- 004 02:24.86 DOBBIE VERITY JANE
- 005 02:29.15 SYLVIA PLOOS VAN AMSTEL
- 006 02:30.59 FERGUSON CLAIRE ELIZABETH
- 007 02:33.52 MITSUI YOSHIE
- 008 02:34.84 DEVINE ANDREE

30 TO 34 (WORLD RECORD 02:12.80)

- 001 02:13.47 HIRSTY JACKI *
- 002 02:19.97 BERG SHARON
- 003 02:20.17 WORTHEN KIMBERLY
- 004 02:26.61 KENT LORRAINE
- 005 02:31.54 STROUP VERONICA A
- 006 02:32.01 ANDREW SUE
- 007 02:35.36 HOLMES ELIZABETH PARK
- 008 02:35.36 LEDEAN LUCY

35 TO 39 (WORLD RECORD 02:22.11)

- 001 02:29.20 JOHNSON LUCY *
- 002 02:29.83 MARTIN PAULA
- 003 02:32.16 GRIFFITH BRENDA
- 004 02:41.23 MARRIOTT JACQUE
- 005 02:41.73 RICHTER MIREILLE
- 006 02:43.84 WILBY MARGARET
- 007 02:43.94 FARRAR KATE
- 008 02:46.82 MITCHELL LIZ

40 TO 44 (WORLD RECORD 02:24.38)

- 001 02:38.32 WATSON JAN
- 002 02:42.91 FLEMING CAROLYN
- 003 02:45.93 HARLOW MARCY
- 004 02:46.47 BUKOWSKI BARBARA
- 005 02:47.72 KITAMURA AKIKO
- 006 02:59.44 IKEDA TAEKO
- 007 03:08.70 TERASAKI HIDEKO
- 008 03:08.77 SARUHASHI FUKU

45 TO 49 (WORLD RECORD 02:33.11)

- 001 02:36.06 OOSAKI YOSHIKO
- 002 02:38.00 WEIR LIRNNE B
- 003 02:42.98 FRASER DAWN
- 004 03:01.76 LEACH ALISON
- 005 03:12.50 HIRAMATSU ETSUKO
- 006 03:13.34 WINGATE PAULINE
- 007 03:16.20 TSUJIMOTO EMIKO
- 008 03:17.16 ABE SANAE

50 TO 54 (WORLD RECORD 02:40.36)

- 001 02:54.61 WILSON BARBARA
- 002 02:58.09 SATOH HISAKO
- 003 03:06.36 PIPES ADRIENNE S
- 004 03:06.71 EASUN KAY
- 005 03:10.18 MENDES MARLENE PINTO
- 006 03:15.51 FUJIMOTO KEIKO
- 007 03:17.49 NAMIKI CHIE
- 008 03:19.26 STRUDLEY BEVERLEY

55 TO 59 (WORLD RECORD 02:45.60)

- 001 02:50.75 PETERS ROPER GAIL *
- 002 02:54.23 SHIMIZU AKIKO
- 003 03:05.12 EUAWS HELEW
- 004 03:11.15 DOTSON PATRICIA
- 005 03:23.42 MALCOLM SHIRLEY
- 006 03:33.73 LARCOMBE MYRA
- 007 03:38.63 DIRKSEN BEVERLY
- 008 03:43.87 MIZULUCHI KAYOKO

60 TO 64 (WORLD RECORD 03:00.61)

- 001 03:04.69 HEPNER LOUISE *
- 002 03:15.75 CUNNINGHAM MARGARET
- 003 03:21.35 JOHNSON OLGA VALERIE
- 004 03:32.52 NAITOH HIDEKO
- 005 03:39.39 OKI NATSUKO
- 006 03:52.94 KUWAYAMA SUGAKO
- 007 03:53.61 OKA SHIZU
- 008 03:59.56 RANDA MICH

65 TO 69 (WORLD RECORD 03:22.11)

- 001 03:22.66 GANDOLPHO CANDIDA
- 002 03:37.19 BURRILL BILLIE ANN
- 003 04:06.62 HATTORI KAZUKO
- 004 04:09.06 KIMURA SHIZUKO
- 005 04:10.78 HASEGAWA YASUKO
- 006 04:12.58 YOSHIDA NOBUKO
- 007 04:16.60 MORI HIDEKO
- 008 04:18.33 FIGARI GIVLIA

70 TO 74 (WORLD RECORD 03:33.62)

- 001 03:50.24 CLARK NANCY *
- 002 04:06.60 GAMENARA NELLA
- 003 05:20.52 HUEL HILDA
- 004 05:45.53 ELLERT LOIS
- 005 06:33.08 MATSUNO MASAKO

75 TO 79 (WORLD RECORD 03:52.90)

- 001 04:13.49 CHERRIMAN VIVIANNE
- 002 06:13.90 TAKADA AYAKO

WOMEN 400 FREESTYLE

25 TO 29 (WORLD RECORD 04:38.73)

- 001 04:43.59 GIBSON CHERYL
- 002 04:45.40 NEVILLE CATHY
- 003 04:53.30 MAIDMENT KAREN
- 004 04:56.22 NOBLE ALISON
- 005 05:13.26 FARNA LUCIA COELHO
- 006 05:26.34 FERGUSON CLAIRE ELIZABETH
- 007 05:29.22 MITSUI YOSHIE
- 008 05:29.51 DEVINE ANDREE

30 TO 34 (WORLD RECORD 04:35.17)

- 001 04:50.01 HIRSTY JACKI *
- 002 04:55.78 WORTHEN KIMBERLY
- 003 04:57.95 BERG SHARON
- 004 05:15.99 RENNIE DIANE
- 005 05:21.35 ANDREW SUE
- 006 05:39.76 FINCH MERRY B
- 007 06:02.55 WAITE KAREN
- 008 06:05.99 CHIYUUBACHI HIDEKO

35 TO 39 (WORLD RECORD 05:03.70)

- 001 05:21.52 GRIFFITH BRENDA
- 002 05:24.60 JOHNSON LUCY
- 003 05:25.51 SCHMIDT SHIRLEY
- 004 05:30.28 RICHTER MIREILLE
- 005 05:32.29 FARRAR KATE
- 006 05:37.00 STIMAN CHRISTIE
- 007 05:50.93 WILBY MARGARET
- 008 05:54.77 WAKATSUKI SACHIE

40 TO 44 (WORLD RECORD 05:00.18)

- 001 05:28.88 KATZ JANE *
- 002 05:42.35 FLEMING CAROLYN
- 003 05:52.98 BUKOWSKI BARBARA
- 004 05:54.16 KITAMURA AKIKO
- 005 06:00.04 HARLOW MARCY
- 006 06:00.08 PARKIN LESLEY
- 007 06:11.89 IKEDA TAEKO
- 008 06:32.98 WHORTENBY HISAKO

45 TO 49 (WORLD RECORD 05:28.88)

- 001 05:29.94 WEIR LIRNNE B *
- 002 05:42.15 FRASER DAWN
- 003 06:28.88 LEACH ALISON
- 004 06:36.53 ROBINSON GLORIA
- 005 06:46.76 EDEBONE LYN
- 006 06:50.99 YAMAGUCHI YAEKO
- 007 06:58.03 ABE SANAE
- 008 06:59.98 HIRAMATSU ETSUKO

50 TO 54 (WORLD RECORD 05:37.91)

- 001 06:03.14 WILSON BARBARA
- 002 06:22.30 SATOH HISAKO
- 003 06:45.38 PIPES ADRIENNE S
- 004 06:45.89 EASUN KAY
- 005 06:49.33 FUJIMOTO KEIKO
- 006 06:50.51 MENDES MARLENE PINTO
- 007 06:54.28 RIBEIRO MARCIA BORELLI
- 008 06:58.09 STRUDLEY BEVERLEY

55 TO 59 (WORLD RECORD 05:51.20)

- 001 06:19.31 ADAMS ANNE *
- 002 06:32.80 EUAWS HELEW
- 003 07:08.22 MALCOLM SHIRLEY
- 004 07:40.81 DIRKSEN BEVERLY
- 005 07:40.95 INOUE CHIE
- 006 07:45.26 MIZULUCHI KAYOKO
- 007 08:13.87 SHIMURA TAEKO
- 008 08:18.68 DICKEY DOROTHY

60 TO 64 (WORLD RECORD 06:34.26)

- 001 06:15.37 WALKER CLARA *
- 002 06:39.08 KRAUSER JUNE
- 003 06:58.71 MONAHAN JOAN
- 004 07:31.20 NAITOH HIDEKO
- 005 07:35.94 GRACE BERYL

004 00:35.67 GUERRA MARIA ISABEL	30 TO 34 (WORLD RECORD 01:11.62)	003 02:54.07 WOLFF JENNIFER GAE	35 TO 39 (WORLD RECORD 00:37.04)	35 TO 39 (WORLD RECORD 01:22.00)
005 00:35.74 CASTRO MARIA RITA	001 01:14.28 MURAYAMA YOSHIMI	004 02:55.17 HUFFMAN LEE	001 00:39.87 KINGSBEER CHRISTINE	001 01:28.41 SLIMAK CHRISTIE ●
006 00:36.27 WOLFF JENNIFER GAE	002 01:15.97 KAKRACH SALLY	005 03:16.64 JAMES MARNEY	002 00:40.28 SLIMAK CHRISTIE	002 01:29.88 KINGSBEER CHRISTINE
007 00:36.49 VANDERFLEET JILL	003 01:18.02 ANDREW SHEL	006 03:18.07 CAMPBELL DONNA L	003 00:41.05 MORITA MIEKO	003 01:33.07 RICHTER MIREILLE
008 00:36.67 PRADO DENISE	004 01:18.41 VANDERFLEET JILL	007 03:25.11 HOGAN CHERIE	004 00:41.24 HIRAI AKEMI	004 01:33.52 ROCK PAMELA JEAN
35 TO 39 (WORLD RECORD 00:34.93)	005 01:18.47 BERG SHARON	008 03:27.88 BISONI MARIA	005 00:41.57 ROCK PAMELA JEAN	005 01:36.21 IMOTO KAZUKO
001 00:34.58 KIHARA MICHIKO	006 01:18.78 HUFFMAN LEE	35 TO 39 (WORLD RECORD 02:51.11)	006 00:42.63 IMOTO KAZUKO	006 01:37.55 KONNAI MASAYO
002 00:35.97 GOUSHI YUKIKO	007 01:19.73 WOLFF JENNIFER GAE	001 02:53.35 GRIFFITH BRENDA	007 00:44.37 KONNAI MASAYO	007 01:38.25 McFARLANE MORNA
003 00:36.32 NAKAHARA TAKAKO	008 01:19.93 CHIFFOS JENNY	002 02:55.81 NAKAHARA TAKAKO	008 00:44.47 McFARLANE MORNA	008 01:41.29 FEREN SHARON
004 00:36.36 NAKAMURA YOHKO	35 TO 39 (WORLD RECORD 01:17.61)	003 02:55.81 SCHMIDT SHIRLEY	40 TO 44 (WORLD RECORD 00:40.10)	40 TO 44 (WORLD RECORD 01:27.69)
005 00:37.13 SCHMIDT SHIRLEY	001 01:19.93 GRIFFITH BRENDA	004 03:05.90 WILBY MARGARET	001 00:38.37 PIERSON GINGER ●	001 01:26.31 PIERSON GINGER ●
006 00:37.61 PIWFOED ELEANOR	002 01:20.37 SCHMIDT SHIRLEY	005 03:06.29 PIWFOED ELEANOR	002 00:40.49 FORD DIANE	002 01:26.77 FORD DIANE
007 00:38.24 DAVEY COLLEEN JOY	003 01:24.30 PIWFOED ELEANOR	006 03:19.87 PAYNE ROBYN	003 00:40.50 VOELCKER ANNEGRET	003 01:27.37 VOELCKER ANNEGRET
008 00:38.59 CONNERY MARGARET	004 01:27.30 CONNERY MARGARET	007 03:21.18 KOMAKI SETSUKO	004 00:40.62 ASAKURA NORIKO	004 01:31.30 ASAKURA NORIKO
40 TO 44 (WORLD RECORD 00:35.09)	005 01:30.08 PAYNE ROBYN	008 03:27.55 LOTZ CONDI	005 00:40.71 WILSMORE RAE	005 01:32.65 WOOD MARY LOU J
001 00:35.74 SATOH HIROMI	006 01:32.35 SCHNEIDER UTA	40 TO 44 (WORLD RECORD 02:47.57)	006 00:42.54 AOYAMA KAZUYO	006 01:34.66 AOYAMA KAZUYO
002 00:36.25 WILSMORE RAE	007 01:34.01 BRUHN GLENNIS	001 02:49.51 TAKEUJI SATOKO	007 00:42.59 WOOD MARY LOU J	007 01:35.66 YOSHIMURA CHIHIKO
003 00:39.06 BENNETT BETTY	008 01:34.17 HEING MARSHA	002 03:02.80 KATZ JANE	008 00:43.26 SOWA HIROKO	008 01:37.50 IKEDA ETSUKO
004 00:40.27 PIERSON GINGER	40 TO 44 (WORLD RECORD 01:18.38)	003 03:12.01 BENNETT BETTY	45 TO 49 (WORLD RECORD 00:39.86)	45 TO 49 (WORLD RECORD 01:28.07)
005 00:40.49 PARKIN LESLEY	001 01:15.24 TAKEUJI SATOKO	004 03:20.86 BLAIR LYNETTE	001 00:42.92 ROBINSON GLORIA	001 01:35.28 ROBINSON GLORIA
006 00:40.92 COSTA MARIA	002 01:21.51 WILSMORE RAE	005 03:24.08 MCGONIGAL LOUISE	002 00:43.23 KAJIWARA KAZUKO	002 01:35.81 ASAH TOMOKO
007 00:40.93 BLAIR LYNETTE	003 01:25.65 WATSON JAN	006 03:25.77 FORD JUDY	003 00:44.48 DREHER BARBARA	003 01:37.70 KAJIWARA KAZUKO
008 00:43.00 VOELCKER ANNEGRET	004 01:27.31 BARNETT BETTY	007 03:31.19 OOTA KAORU	004 00:44.55 SILVA VERALUCIA SIMOES	004 01:39.08 WRIGHT DORIS
45 TO 49 (WORLD RECORD 00:37.64)	005 01:31.63 BLAIR LYNETTE	008 03:33.29 KEMPSON PAM	005 00:45.30 ASAH TOMOKO	005 01:39.34 DREHER BARBARA
001 00:38.09 JORAN BETSY ●	006 01:31.85 PARKIN LESLEY	45 TO 49 (WORLD RECORD 02:59.45)	006 00:45.62 YAMAGUCHI YAEKO	006 01:41.99 ANDRADE CYNTHIA
002 00:39.83 BRAMHAM SYLVIA	007 01:35.83 MCGONIGAL LOUISE	001 03:03.34 JORDAN BETSY ●	007 00:45.66 WRIGHT DORIS	007 01:44.48 LYNCH VAL
003 00:40.40 TAKESHIMA SHIGEKO	008 01:38.23 LOPEZ F GEORGINA	002 03:15.56 RADEMAKER SPERRY	008 00:45.83 OKUTOMI YOSHIKO	008 01:46.68 YONEKURA TSUNERO
004 00:40.93 SILVA VERALUCIA SIMOES	45 TO 49 (WORLD RECORD 01:21.04)	003 03:18.89 TAKESHIMA SHIGEKO	50 TO 54 (WORLD RECORD 00:40.70)	50 TO 54 (WORLD RECORD 01:31.48)
005 00:41.12 KIDMAKER SPERRY	001 01:24.61 JORDAN BETSY ●	004 03:19.59 BRAMHAM SYLVIA	001 00:40.22 BRUNER JAYNE ●	001 01:32.18 BRUNER JAYNE ●
006 00:41.56 KINNAIRD ALICE	002 01:27.81 BRAMHAM SYLVIA	005 03:21.63 SMITH MARGARET	002 00:46.99 GRAY WALDIE	002 01:44.22 OLIVER JUDIE
007 00:43.38 MARKIE EDITH	003 01:29.79 RADEMAKER SPERRY	006 03:27.51 KINNAIRD ALICE	003 00:48.51 STANLEY ANNE	003 01:44.62 GRAY WALDIE
008 00:43.47 ODULM JACQUELINE	004 01:30.55 KINNAIRD ALICE	007 03:28.34 ODULM JACQUELINE	004 00:48.60 TSUCHIYA YASUKO	004 01:45.35 TSUCHIYA YASUKO
50 TO 54 (WORLD RECORD 00:39.93)	005 01:31.91 TAKESHIMA SHIGEKO	008 03:30.73 MARKIE EDITH	005 00:48.93 SUZUKI EIKO	005 01:47.35 MACK JENNIE
001 00:40.27 GRAY WALDIE	006 01:35.83 MARKIE EDITH	50 TO 54 (WORLD RECORD 03:14.57)	006 00:49.01 RIBEIRO MARCIA BORELLI	006 01:49.08 STANLEY ANNE
002 00:42.09 MOYI VIE MARGORY	007 01:38.40 ODULM JACQUELINE	001 03:17.41 GRAY WALDIE	007 00:49.08 MACK JENNIE	007 01:49.78 IWATSUKI RITSUKO
003 00:42.93 RIBEIRO MARCIA BORELLI	008 01:39.37 KATAOKA AKIKO	002 03:27.03 MENDES MARLENE PINTO	008 00:50.39 TAKANO HIROKO	008 01:52.48 TSUMURA SETSUKO
004 00:43.27 ELENIO MINAKO	50 TO 54 (WORLD RECORD 01:28.61)	003 03:31.39 RIBEIRO MARCIA BORELLI	55 TO 59 (WORLD RECORD 00:43.82)	55 TO 59 (WORLD RECORD 01:36.32)
005 00:44.15 KLEN PATRICIA	001 01:31.81 GRAY WALDIE	004 03:50.57 KIMOTO MISAKO	001 00:42.94 BOHM EDITH	001 01:39.29 BOHM EDITH
006 00:44.25 YAMAMOTO KUNIE	002 01:35.83 RIBEIRO MARCIA BORELLI	005 03:59.41 COARAZA CARRUSA	002 00:46.27 GULYAS JULIA	002 01:40.12 GULYAS JULIA
007 00:44.80 KIKUCHI MISUKO	003 01:37.49 MENDES MARLENE PINTO	006 04:01.66 FUJIMOTO KEIKO	003 00:47.06 PARNELL JOAN	003 01:46.71 PARNELL JOAN
008 00:45.09 KAGUYAMA KATSUKO	004 01:42.56 KIMOTO MISAKO	007 04:07.53 MINTOSH FRANCES	004 00:48.96 HATTORI AKIKO	004 01:50.42 HATTORI AKIKO
55 TO 59 (WORLD RECORD 00:39.00)	005 01:48.20 KATO RITSUKO	008 04:08.77 REES PATRICIA	005 00:49.83 NAGAI FUMIE	005 01:52.43 NAGAI FUMIE
001 00:41.15 SHIMIZU AKIKO	006 01:50.40 YOSHINAGA KIMIKO	55 TO 59 (WORLD RECORD 03:11.43)	006 00:50.05 HENSCHEL RUTH	006 01:54.36 ONO HISAKO
002 00:41.47 ADAMS ANNE	007 01:50.77 REES PATRICIA	001 03:26.41 ADAMS ANNE ●	007 00:51.54 ONO TERUKO	007 01:55.59 GALVIN LYLIA
003 00:42.26 PARNELL JOAN	008 01:56.06 McINTOSH FRANCES	002 03:28.37 PARNELL JOAN	008 00:51.92 ONO HISAKO	008 01:56.51 DE GROOT CORRIE
004 00:44.11 BOHM EDITH	55 TO 59 (WORLD RECORD 01:27.61)	003 03:34.29 COOKA KIMIKO	60 TO 64 (WORLD RECORD 00:45.86)	60 TO 64 (WORLD RECORD 01:43.73)
005 00:44.01 GOOKA KIMIKO	001 01:32.28 ADAMS ANNE ●	004 03:53.20 DOTSON PATRICIA	001 00:48.52 COSTELLO CHARLOTTE ●	001 01:49.53 COSTELLO CHARLOTTE ●
006 00:49.02 LOGAN PRISCILLA	002 01:34.00 SHIMIZU AKIKO	005 03:53.38 NAWADA REIKO	002 00:48.54 SUZUKI SATOKO	002 01:49.88 SUZUKI SATOKO
007 00:49.17 NISHIMURA YOSHIKO	003 01:34.39 PARNELL JOAN	006 03:56.56 DE GROOT CORRIE	003 00:50.25 MITA TSUNOKO	003 01:55.23 STINSON SANDY
008 00:49.50 DRGROSS HEDWIG	004 01:35.89 GOOKA KIMIKO	007 03:56.62 LOGAN PRISCILLA	004 00:51.82 TANI MASUMI	004 01:56.36 MITA TSUNOKO
60 TO 64 (WORLD RECORD 00:41.41)	005 01:40.00 BOHM EDITH	008 04:18.66 KIMURA UTAYO	005 00:51.89 KANAI KIMIE	005 01:57.82 MONAHAN JOAN
001 00:41.11 WALKER CLARA ●	006 01:48.93 LOGAN PRISCILLA	60 TO 64 (WORLD RECORD 03:24.02)	006 00:51.93 STINSON SANDY	006 02:02.44 ALLNUTT SARAH
002 00:46.79 JOHNSON OLGA VALERIE	007 01:51.95 DE GROOT CORRIE	001 03:16.98 WALKER CLARA ●	007 00:52.53 MONAHAN JOAN	007 02:05.63 SHAU CHIH CHANG
003 00:47.65 TANI MASUMI	008 01:59.67 MIWA EIKO	002 03:57.61 APINEE IRENE	008 00:53.54 ALLNUTT SARAH	008 02:08.07 FUKUI HIDEKO
004 00:48.02 KUWAHARA UMEKO	60 TO 64 (WORLD RECORD 01:32.69)	003 04:07.74 ROSE BARBARA	65 TO 69 (WORLD RECORD 00:49.22)	65 TO 69 (WORLD RECORD 01:50.29)
005 00:49.23 APINEE IRENE	001 01:31.06 WALKER CLARA ●	004 04:20.45 OOKI NATSUKO	001 00:51.19 RAUNER EVA	001 01:53.57 RAUNER EVA
006 00:49.31 OOKI NATSUKO	002 01:49.59 JOHNSON OLGA VALERIE	005 04:20.54 ROBERTS BETTY	002 00:51.35 GANDOLPHO CANDIDA	002 01:53.69 GANDOLPHO CANDIDA
007 00:50.27 ROSE BARBARA	003 01:49.59 KUWAHARA UMEKO	006 04:32.96 TACHIKAWA SHIZUKO	003 00:53.09 EICKER MECHTILDE	003 01:56.06 EICKER MECHTILDE
008 00:52.68 OGAWA CHIYOKO	004 01:49.82 APINEE IRENE	007 04:33.96 TREMMEL INGERBORG	004 00:54.87 SANTOH HATSUKO	004 02:02.44 CAMERON BETH
65 TO 69 (WORLD RECORD 00:44.40)	005 01:52.75 ROSE BARBARA	008 04:42.89 GRACE BERYL	005 01:06.57 ASADA MITSUYO	005 02:43.19 YEOMANS RHODA
001 00:44.64 DRAKE BROCKMAN JUDITH	006 02:00.55 DANNENBERG ELLA	65 TO 69 (WORLD RECORD 03:57.55)	006 01:06.91 ROSEN LUCIE	006 03:11.47 NOMURA KIKI
002 00:45.91 ANDERSON BERYL	007 02:01.01 ROBERTS BETTY	001 03:41.61 DRAKE BROCKMAN JUDITH	007 01:08.09 MOCHIDA EIKO	70 TO 74 (WORLD RECORD 02:03.07)
003 00:50.28 HOFFMANN RYAH	008 02:01.75 ITOU FUMIKO	002 03:46.98 ANDERSON BERYL	008 01:09.88 EBATO KATSUHE	001 02:03.81 VORRATH FRANCES
004 00:51.07 EICKER MECHTILDE	65 TO 69 (WORLD RECORD 01:39.33)	003 04:21.37 KIMOTO HISAKO	70 TO 74 (WORLD RECORD 00:53.23)	002 02:13.10 EISELDF HELENE
005 00:52.61 HEATH LOU	001 01:39.37 ANDERSON BERYL	004 04:23.23 HEATH LOU	001 00:53.88 VORRATH FRANCES	003 02:13.96 HARNISCH GRETE
006 00:53.72 SHIMAMURA KIYO	002 01:40.43 DRAKE BROCKMAN JUDITH	005 04:33.11 GOLSETH BARBARA	002 01:00.30 EISELDF HELENE	004 02:17.84 REILE ANCHEN
007 00:55.05 KIMOTO HISAKO	003 01:58.26 HEATH LOU	006 04:34.54 SAMSON MARGARET	003 01:00.63 HARNISCH GRETE	005 02:33.68 BUEL HILDA
008 00:55.32 ETHELNE AUDREY H	004 02:02.61 HOFFMANN RYAH	007 04:37.67 TAFT ZADA	004 01:01.11 NACHTIGALL LIESEL	006 02:49.70 RITTSON NANCY
70 TO 74 (WORLD RECORD 00:48.75)	005 02:03.81 TAFT ZADA	008 04:41.28 OOTA HATSU	005 01:01.23 LORENZ LISELOTT	75 TO 79 (WORLD RECORD 02:27.33)
001 00:48.29 VORRATH FRANCES	006 02:08.89 GOESETH BARBARA	70 TO 74 (WORLD RECORD 04:02.01)	006 01:02.01 REILE ANCHEN	001 02:07.86 BUTZBACH MIZZI
002 00:58.38 EISELDF HELENE	007 02:08.99 ETHELNE AUDREY H	001 05:25.95 RITTSON NANCY	007 01:03.03 WILDER ANNE	002 02:37.20 GOTTSCHALK MARGARETE
003 00:59.65 SHIGEMITSU MASA	008 02:09.20 PRIC FLEEN	002 05:33.31 ELLERT LOIS	008 01:15.69 CHENAUX JEAN K	75 TO 79 (WORLD RECORD 00:59.01)
004 01:01.60 BANGDI CHUYOKO	70 TO 74 (WORLD RECORD 01:51.41)	003 05:51.00 HALL PHYLLIS	75 TO 79 (WORLD RECORD 00:59.01)	75 TO 79 (WORLD RECORD 00:59.01)
005 01:03.93 REILE ANCHEN	001 02:12.14 EISELDF HELENE	004 06:31.26 HUPP MILLIE	001 00:59.10 BUTZBACH MIZZI	25 TO 29 (WORLD RECORD 02:52.80)
006 01:04.73 RITTSON NANCY	002 02:17.86 REILE ANCHEN	75 TO 79 (WORLD RECORD 04:14.64)	002 01:00.86 WADA UME	001 02:55.91 DOBBIE VERITY JANE
007 01:06.60 NACHTIGALL LIESEL	003 02:31.84 RITTSON NANCY	001 04:20.86 WRIGHT MYRTLE	003 01:02.99 WRIGHT MYRTLE	002 02:56.29 MELICK KAREN
008 01:08.40 CHENAUX JEAN K	004 02:31.98 HALL PHYLLIS	002 05:23.78 HEDGES RENE	004 01:10.78 GOTTSCHALK MARGARETE	003 02:59.57 MAESTRINI ANGELA ANDRADE
75 TO 79 (WORLD RECORD 00:51.90)	005 02:41.36 ELLERT LOIS	003 06:35.61 MATSUURA HANAE	005 01:39.22 HEDGES RENE	004 03:09.52 THOMSON ROBERTA
001 00:51.07 WRIGHT MYRTLE	006 02:53.61 ITOU HIROKO	85 TO 89 (WORLD RECORD 05:51.69)	006 01:55.52 HYDE DORIS	005 03:13.27 SHIMADA YUUKO
002 00:54.44 WADA UME	007 02:57.67 HUPP MILLIE	001 05:41.11 PECKHAM ELLA ●	75 TO 79 (WORLD RECORD 01:18.80)	006 03:15.45 SU LAN LIN
003 00:59.29 BUTZBACH MIZZI	75 TO 79 (WORLD RECORD 01:56.89)	75 TO 79 (WORLD RECORD 01:18.80)	001 01:20.67 MAESTRINI ANGELA ANDRADE	007 03:19.03 RICK LORIE
004 01:03.88 HEDGES RENE	001 01:58.40 WRIGHT MYRTLE	25 TO 29 (WORLD RECORD 00:35.80)	002 01:20.78 DOBBIE VERITY JANE	008 03:22.73 FERGISSON CLAIRE ELIZABETH
005 01:06.94 MATSUURA HANAE	002 02:22.95 HEDGES RENE	001 00:36.91 DOBBIE VERITY JANE	003 01:23.40 MELICK KAREN	25 TO 29 (WORLD RECORD 02:56.09)
006 01:07.35 GOTTSCHALK MARGARETE	003 02:40.96 MATSUURA HANAE	002 00:36.92 MELICK KAREN	004 01:29.67 SU LAN LIN	001 02:56.43 GIBSON KAREN
007 01:25.88 HYDE DORIS	85 TO 89 (WORLD RECORD 02:49.73)	003 00:37.15 MAESTRINI ANGELA ANDRADE	005 01:30.78 NISHIOKA AKEMI	002 03:04.35 STROUP VERONICA A
85 TO 89 (WORLD RECORD 01:14.83)	001 03:30.10 PECKHAM ELLA ●	004 00:37.98 IKEDA YUUKO	006 01:31.19 RICK LORIE	003 03:06.51 MELICK JUDITH
001 01:30.21 PECKHAM ELLA ●	75 TO 79 (WORLD RECORD 02:32.37)	005 00:40.05 SU LAN LIN	007 01:31.66 HOUSTOU ADELE	004 03:15.70 WESTON JUDY
25 TO 29 (WORLD RECORD 01:07.46)	25 TO 29 (WORLD RECORD 02:32.37)	006 00:40.41 SHIMADA YUUKO	008 01:32.74 HAY ALISON	005 03:18.65 FINCH MERRY
001 01:07.78 GIBSON CHERYL	001 02:26.27 GIBSON CHERYL	007 00:41.01 RICK LORIE	30 TO 34 (WORLD RECORD 01:20.89)	006 03:20.73 STAPLEDON JILLIAN
002 01:13.75 NOBLE ALISON	002 02:39.97 NOBLE ALISON	008 00:41.06 HAY ALISON	001 01:18.88 GIBSON KAREN	007 03:26.41 SATOH YOSHIKO
003 01:17.35 KILLMIER ANITA	003 02:48.42 GREENE WHITLEY	30 TO 34 (WORLD RECORD 00:35.56)	002 01:24.58 STROUP VERONICA A	008 03:33.43 CRYFFORD KATHLEEN JOAN
004 01:18.81 GREENE WHITLEY	004 02:51.91 KILLMIER ANITA	001 00:35.37 GIBSON KAREN	003 01:25.08 MELICK JUDITH	35 TO 39 (WORLD RECORD 03:01.45)
005 01:23.65 MILLAR JAWICK	005 03:01.54 SHIROKA WINIFRED	002 00:37.74 MELICK JUDITH	004 01:28.29 ANDREWS MARGARET HEATHER	001 03:15.67 SLIMAK CHRISTIE ●
006 01:27.90 SHIROKA WINIFRED	006 03:16.85 KEHOE KATHRYN	003 00:38.56 ANDREWS MARGARET HEATHER	005 01:29.10 WESTON JUDY	002 03:18.26 KINGSHEER CHRISTINE
007 01:26.30 KANBE HIROKO	007 03:17.95 KANBE HIROKO	004 00:39.79 KUNIMATSU KAZUMI	006 01:31.19 FINCH MERRY B	003 03:19.39 RICHTER MIREILLE
008 01:29.06 BIRD JENNIFER	008 03:18.51 ICHIKAWA YUMIKO	005 00:40.43 FINCH MERRY B	007 01:32.01 HOLMES ELIZABETH PARK	004 03:21.75 ROCK PAMELA JEAN
30 TO 34 (WORLD RECORD 02:36.61)	30 TO 34 (WORLD RECORD 02:36.61)	006 00:40.47 WESTON JUDY	0	

40 TO 44 (WORLD RECORD 03:12.99)

- 001 03:03.75 PIERSON GINGER
002 03:11.72 VOELCKER ANNEGRET
003 03:12.26 FORD DIANE
004 03:27.99 WOOD MARY LOU J
005 03:28.65 IKEDA ETSUKO
006 04:29.14 KINOMOTO TAKAKO
007 03:29.44 AOYAMA KAZUYO
008 03:36.77 TAKADA HATSUE

45 TO 49 (WORLD RECORD 03:12.79)

- 001 03:27.12 ROBINSON GLORIA
002 03:28.36 ASAMI TOMOKO
003 03:35.88 DREHER BARBARA
004 03:35.99 KAJIWARA KAZUKO
005 03:42.14 ANDRADE CYNTHIA
006 03:43.86 LYNCH VAL
007 03:55.92 OOUCHI TERUYO
008 03:58.04 TAKADA SACHIKO

50 TO 54 (WORLD RECORD 03:18.39)

- 001 03:46.65 TSUCHIYA YASUKO
002 03:54.68 IWATSUKI RITSUKO
003 03:58.41 TSUMURA SETSUO
004 04:00.80 STANLEY ANNE
005 04:01.29 MACK JENNIE
006 04:01.84 PRENTICE NGAIRE
007 04:02.18 YOSHIKAWA TERU
008 04:03.54 BARKER JEANETTE

55 TO 59 (WORLD RECORD 03:32.78)

- 001 03:37.53 GULYAS JULIA
002 03:40.08 BOHM EDITH
003 03:40.49 DE GROOT COKRIE
004 04:12.71 ONO HISAKO
005 04:15.35 TOGASHI TERUKO
006 04:25.96 SHOCKLEY MICKY
007 04:26.63 GALVIN Lyla
008 04:31.26 SMEATON ANN PAULINE

60 TO 64 (WORLD RECORD 03:54.87)

- 001 04:01.10 HEPNER LOUISE
002 04:01.41 COSTELLO CHARLOTTE
003 04:08.80 MONAHAN JOAN
004 04:15.96 STINSON SANDY
005 04:21.00 KANAKI KIMIE
006 04:21.83 ALLEN T SARAH
007 04:27.56 GOSSELIN CECILE
008 04:33.65 APINE IRENE

65 TO 69 (WORLD RECORD 04:05.90)

- 001 04:04.03.2 GANDOLPHO CANDIDA
002 04:09.75 RAUNER EVA
003 04:26.60 ECKER MECHTILDE
004 04:32.42 CUMFERT HILDE
005 04:35.98 PERE EDILEN
006 04:59.01 SAMSON MARGARET
007 05:16.63 TANAKA AKIYO

70 TO 74 (WORLD RECORD 04:26.93)

- 001 04:35.56 MERLINO MAXINE
002 04:52.81 EISELDF HELENE
003 04:52.86 REILE ANSCHEN
004 05:15.43 BUEL HILDA
005 05:16.75 WILDER ANNE

75 TO 79 (WORLD RECORD 05:17.92)

- 001 04:36.72 HUTCHINS MIZZI

WOMEN 50 BUTTERFLY

- 25 TO 29 (WORLD RECORD 00:29.92)
001 00:32.22 GREENE WHITLEY
002 00:32.34 MELICK KAREN
003 00:32.89 TOKA AKEMI
004 00:33.36 SYLVIA PLOON VAN AMSTEL
005 00:33.71 THOMSON ROBERTA
006 00:33.85 MIURA MOTOKO
007 00:34.50 MILLAR JAWICE
008 00:34.63 ONEILL MARY

30 TO 34 (WORLD RECORD 00:30.02)

- 001 00:32.59 KAKKASCHI SALLY
002 00:32.78 RENNE DIANE
003 00:33.17 HUFFMAN LEE
004 00:33.23 GERRY MYRA ISABEL
005 00:34.01 CLIFTON JENNY
006 00:34.02 GIBSON KAREN
007 00:34.19 CASTRO MARIA RITA
008 00:34.71 PRADO DENISE

35 TO 39 (WORLD RECORD 00:32.22)

- 001 00:33.27 KIHARA MICHIKO
002 00:33.28 ITOH MASAKO
003 00:35.06 MARTIN PAULA
004 00:35.41 BRAY SANDRA
005 00:35.62 YABUTA MIDORI
006 00:35.99 NAKAHARA TAKAKO
007 00:36.06 KOYAMA YUMI
008 00:36.07 MARRIOTT JACQUE

40 TO 44 (WORLD RECORD 00:32.16)

- 001 00:33.47 WILSMORE RAE
002 00:35.63 MAIKUMA ROSA
003 00:35.63 PIERSON GINGER
004 00:36.57 HARLON MARCY
005 00:38.34 FORD DIANE
006 00:38.65 KIYOHARA KATSUKO
007 00:39.06 COSTA MARIA
008 00:40.09 FORD JUDY

45 TO 49 (WORLD RECORD 00:34.07)

- 001 00:36.85 SEIDL JUTTA
002 00:37.88 RADENMAKER SPERRY
003 00:40.24 SILVA VERALUCIA SIMOEN
004 00:40.70 NAKAI ETSUKO
005 00:40.85 TAKAKUWA AYAKO
006 00:40.86 UMEMOTO KANEKO
007 00:41.02 TATSUKOSHI KATSUKO
008 00:41.71 LITTLE JEANNE

50 TO 54 (WORLD RECORD 00:35.38)

- 001 00:40.16 OLIVER JUDIE
002 00:40.73 KIMOTO MISAKO
003 00:44.92 PIPES ADRIENNE S
004 00:45.63 HIGURASHI KYOKO
005 00:46.24 KAGEYAMA KATSUKO
006 00:46.93 KIKUCHI MISUKO
007 00:47.63 TAKASHITA FUSAKO
008 00:49.51 IMOTO SHIGEO

55 TO 59 (WORLD RECORD 00:35.29)

- 001 00:40.27 ADAMS ANNE
002 00:43.31 NAWADA REIKO
003 00:44.76 DOTSON PATRICIA
004 00:45.04 GRUENDER EDIE
005 00:48.68 HONMA MIKIO
006 00:48.87 IBE CHISE
007 00:51.33 OZAWA MAYUKO
008 00:55.60 NISHIMURA YOSHIKO

60 TO 64 (WORLD RECORD 00:41.94)

- 001 00:43.46 TANI MASUMI
002 00:45.42 COSTELLO CHARLOTTE
003 00:48.07 CUNNINGHAM MARGARET
004 00:51.29 KUSAYAMA SUGAKO
005 00:51.67 ALLEN T SARAH
006 00:52.41 KIWAHARA IMEKO
007 00:52.88 DUNN BETTY C
008 00:52.93 OKI NATSUKO

65 TO 69 (WORLD RECORD 00:49.60)

- 001 00:48.89 KERR CATHERINE
002 00:56.97 MORI HIDEKO
003 00:57.67 MATSUSHIMA HARUKO
004 01:02.50 ETIENNE AUDREY H
005 01:05.89 KIMURA SHIZUKO
006 01:28.07 HAYASHI MATSUKO
007 01:43.02 MENARY AUDREY

70 TO 74 (WORLD RECORD 00:51.25)

- 001 00:53.00 LENK ZIGLER MARIA
002 01:02.12 MERLINO MAXINE
003 01:14.20 BANDOH CHIYOKO
004 01:15.37 WILDER ANNE
005 01:16.08 HARNISCH GRETE
006 01:39.20 KUBO TOSHI

85 TO 89 (WORLD RECORD 01:35.90)

- 001 01:37.00 PECKHAM ELLA

WOMEN 100 BUTTERFLY

- 25 TO 29 (WORLD RECORD 01:07.06)
001 01:09.25 NEVILLE CATHY
002 01:11.20 MAIDMENT KAREN
003 01:14.62 KILLMIEER ANITA
004 01:15.38 BAUMHOFFER LAURA
005 01:18.10 THOMSON ROBERTA
006 01:19.16 ONEILL MARY
007 01:21.20 RICK LORIE
008 01:25.94 IKEDA YUKIE

35 TO 39 (WORLD RECORD 01:10.36)

- 001 01:15.58 BRAY SANDRA
002 01:16.17 JOHNSON LUCY
003 01:27.07 KOYAMA YUMI
004 01:27.54 SCHNEIDER UTA
005 01:28.68 YABUTA MIDORI
006 01:34.37 NISHIMURA JYUNKO
007 01:35.23 DAVEY COLLEEN JOY
008 01:36.29 KURN JUNE

40 TO 44 (WORLD RECORD 01:11.80)

- 001 01:31.04 FORD DIANE
002 01:32.80 MAIKUMA ROSA
003 01:39.27 IKEDA TAEKO
004 01:41.43 HEAD VIRGINIA
005 01:45.02 YAMADA KAZUKO
006 01:45.28 MEGONIGAL LOEISE
007 01:46.64 AOYAMA KAZUYO
008 01:48.39 ONO TEIKO

45 TO 49 (WORLD RECORD 01:21.32)

- 001 01:25.95 SEIDL JUTTA
002 01:33.27 ASAMI TOMIKO
003 01:39.66 DREHER BARBARA
004 01:42.99 LITTLE JEANNE
005 01:47.57 SMITH MARGARET
006 01:51.50 SHIMIZU YUKI
007 01:54.21 GRIFFONER HELEN
008 02:07.92 ABE KAZUKO

50 TO 54 (WORLD RECORD 01:24.40)

- 001 01:29.55 BRUNER JAYNE
002 01:35.66 OLIVER JUDIE
003 01:50.57 PIPES ADRIENNE S
004 01:51.42 PRENTICE NGAIRE
005 01:59.97 SHADRICK WEZ BETTIE
006 02:00.80 OGATA IKUE
007 02:06.04 IMANISHI MOTO
008 02:07.34 MAEDA TAKAKO

55 TO 59 (WORLD RECORD 01:27.49)

- 001 01:31.89 PETERS-ROPER GAIL
002 01:44.01 DOTSON PATRICIA
003 01:47.54 GRUENDER EDIE
004 02:10.73 HONMA MIKIO
005 02:14.81 MACCCGREGOR HENRIETTA
006 02:26.09 DAHLEN NOELINE

60 TO 64 (WORLD RECORD 01:38.21)

- 001 01:41.62 KRAUSER JUNE
002 01:53.73 COSTELLO CHARLOTTE
003 02:00.43 STINSON SANDY
004 02:04.27 KUWAYAMA SUGAKO
005 02:05.99 DUNN BETTY C
006 02:15.75 GRACE BERYL
007 02:18.40 OKA SHIZU
008 02:20.63 HASEGAWA YOSHIE

65 TO 69 (WORLD RECORD 02:01.18)

- 001 01:51.60 KERR CATHERINE
002 02:14.17 KIMOTO HISAKO
003 02:20.07 TAFT ZADA
004 02:23.46 MOHI HIDEKO
005 01:00.65 STEWARD ROSE

70 TO 74 (WORLD RECORD 02:02.61)

- 001 02:05.84 LENK ZIGLER MARIA
002 02:20.00 MERLINO MAXINE
003 04:36.53 HALL PHYLLIS

WOMEN 200 BUTTERFLY

25 TO 29 (WORLD RECORD 02:26.06)

- 001 02:32.07 NEVILLE CATHY
002 02:33.21 MAIDMENT KAREN
003 02:44.40 BAUMHOFFER LAURA
004 02:56.99 DEVINE ANDREE
005 03:37.74 IKEDA YUKIE
006 03:50.57 KOBAYASHI CHIEKO

30 TO 34 (WORLD RECORD 02:33.32)

- 001 02:35.12 BERG SHARON
002 03:00.96 HUFFMAN LEE
003 03:15.08 KEAST JULIE
004 03:43.28 BAYERS PATRICIA
005 03:46.95 NONOMURA HITOMI
006 04:01.98 FERREIRA LEBEIS
007 04:19.45 KELLY LESLEY
008 04:26.66 BROWN CONNIE

35 TO 39 (WORLD RECORD 02:36.20)

- 001 02:56.45 BRAY SANDRA
002 03:23.42 SCHNEIDER UTA
003 03:34.54 MITCHELL LIZ
004 03:50.15 TSUCHIDA KEIKO
005 03:57.50 MIZUTANI AKIKO
006 04:21.50 STRANG SHIRLEY
007 04:44.04 OOTA KIYOKO

40 TO 44 (WORLD RECORD 02:41.67)

- 001 03:10.57 KATZ JANE
002 03:33.80 BENNETT BETTY
003 04:06.39 HEAD VIRGINIA
004 04:10.70 SAGAWA TAMAKI
005 04:12.89 KEMPSON PAM

45 TO 49 (WORLD RECORD 03:09.78)

- 001 03:19.65 SEIDL JUTTA
002 03:49.07 DREHER BARBARA
003 03:49.69 ODUM JACQUELINE
004 04:00.42 SMITH MARGARET
005 04:03.48 LEACH ALISON
006 04:06.98 LITTLE JEANNE
007 04:53.61 ABE KAZUKO
008 05:59.96 PICTON JANETTE

50 TO 54 (WORLD RECORD 03:15.92)

- 001 03:42.41 OLIVER JUDIE
002 03:50.43 WILSON BARBARA
003 04:01.98 PRENTICE NGAIRE
004 05:03.90 MAEDA TAKAKO
005 05:11.15 MACK JENNIE
006 05:19.81 IMANISHI MOTO
007 05:59.33 NOBURA YASUKO

55 TO 59 (WORLD RECORD 03:19.84)

- 001 03:31.45 PETERS-ROPER GAIL
002 03:50.86 GULYAS JULIA
003 04:08.70 GRUENDER EDIE
004 04:57.63 MACCCGREGOR HENRIETTA
005 05:26.03 DAHLEN NOELINE
006 05:35.54 LARCOMBE MYRA

60 TO 64 (WORLD RECORD 03:48.20)

- 001 03:03.36.15 KRAUSER JUNE
002 04:29.35 STINSON SANDY
003 05:15.21 HASEGAWA YOSHIE
004 05:29.04 GOSSELIN CECILE

WOMEN 200 INDIVIDUAL MEDLEY

25 TO 29 (WORLD RECORD 02:31.87)

- 001 02:30.57 GIBSON CHERYL
002 02:43.90 MAIDMENT KAREN
003 02:48.61 THOMSON ROBERTA
004 02:51.89 FERGUSON CLARE ELIZABETH
005 02:52.00 DEVINE ANDREE
006 02:54.58 SYLVIA PLOON VAN AMSTEL
007 02:54.40 BAUMHOFFER LAURA
008 03:11.55 FOX TRACY

30 TO 34 (WORLD RECORD 02:35.60)

- 001 02:39.80 HENSTY JACKI
002 02:41.92 STROUP VERONICA A
003 02:43.94 WORTHEN KIMBERLY
004 02:48.85 MURAYAMA YOSHIMI
005 02:51.88 GIFFERA MARIA ISABEL
006 03:00.71 KENNEDY BETH
007 03:01.07 PRADO DENISE
008 03:06.62 HOLMES ELIZABETH PARK

35 TO 39 (WORLD RECORD 02:44.21)

- 001 02:46.02 JOHNSON LUCY
002 03:01.17 SHIMAK CHRISTIE
003 03:09.28 FARRAR KATH
004 03:16.96 REYNOLDS CULLEN
005 03:21.04 KUHN JUNE
006 03:26.24 MCFARLANE MORNA
007 03:27.04 TSUCHIDA KEIKO
008 03:28.50 PRIMAZZI VALFRIEDA

40 TO 44 (WORLD RECORD 02:46.81)

- 001 03:03.91 KATZ JANE
002 03:10.76 BENNETT BETTY
003 03:15.00 PARKIN LESLEY
004 03:26.11 FORD JUDY
005 03:35.18 TSUBIMURA SHIKO
006 03:38.11 TAKADA HATSUE
007 03:39.16 KEMPSON PAM
008 03:41.81 HEAD VIRGINIA

45 TO 49 (WORLD RECORD 02:55.61)

- 001 03:07.58 WEIR LINNE B
002 03:09.03 SEIDL JUTTA
003 03:22.28 JORDAN BETSI
004 03:27.01 TATSUKOSHI KATSUKO
005 03:33.83 ODUM JACQUELINE
006 03:35.19 LEACH ALISON
007 03:38.43 SMITH MARGARET
008 03:55.99 KINNAIRD ALICE

50 TO 54 (WORLD RECORD 03:05.13)

- 001 03:04.91 BRUNER JAYNE
002 03:30.72 OLIVER JUDIE
003 03:54.54 PRENTICE NGAIRE
004 04:10.42 SAKAGUCHI NOBUKO
005 04:22.40 ROSBERG AUDREY
006 04:24.38 TANDOH NOBUKO
007 04:31.29 SHADRICK WEZ BETTIE
008 04:31.62 IMANISHI MOTO

55 TO 59 (WORLD RECORD 03:07.65)

- 001 03:19.26 PETERS-ROPER GAIL
002 03:42.71 GULYAS JULIA
003 03:47.23 GRUENDER EDIE
004 03:48.65 DOTSON PATRICIA
005 03:52.32 OOOKA KIMIKO
006 03:54.32 NAWADA REIKO
007 04:00.97 LOGAN PRISCILLA
008 04:05.62 IBE CHISE

60 TO 64 (WORLD RECORD 03:33.60)

- 001 03:17.40 WALKER CLARA
002 03:35.59 KRAUSER JUNE
003 03:45.77 HEPNER LOUISE
004 04:13.65 DUNN BETTY C
005 04:23.54 GOSSELIN CECILE
006 04:33.27 GRACE BERYL
007 04:43.03 HIMURA MITSU
008 04:50.94 HOSCHKE LENGFENFELD LILO

65 TO 69 (WORLD RECORD 04:02.94)

- 001 03:48.85 KERR CATHERINE
002 04:33.70 PRICE EILEEN
003 04:34.65 TAFT ZADA
004 04:51.95 GOLSETH BARBARA
005 04:54.00 SAMSON MARGARET
006 05:01.93 KIMURA SHIZUKO
007 06:08.04 PETERSON LORRAINE
008 06:27.67 MENARY AUDREY

70 TO 74 (WORLD RECORD 04:10.91)

- 001 04:11.21 LENK ZIGLER MARIA
002 04:21.36 MERLINO MAXINE
003 05:20.15 BANDOH CHIYOKO
004 05:35.02 BUEL HILDA
005 06:01.48 WILDER ANNE
006 07:49.70 HALL PHYLLIS

MEN 50 FREESTYLE

25 TO 29 (WORLD RECORD 00:22.59)

- 001 00:24.16 PLACAK ROBERT
002 00:24.21 TUDOR JOHN
003 00:24.44 MORGAN MARK
004 00:24.60 WELBOURN GRAHAM
005 00:25.23 MEARES STUART
006 00:25.32 YOUNGER WILLIAM
007 00:26.55 POTTENGER WARREN
008 00:26.66 SAKAI KATSUHIRO

30 TO 34 (WORLD RECORD 00:24.50)

- 001 00:24.14 MONTGOMERY JAMES
002 00:24.41 OZIER DIX WRAY
003 00:24.97 HEDRICK TRIP
004 00:25.00 HUBBELL FRED
005 00:25.18 BAUER DAVID
006 00:25.52 GRIFFITH JAMES
007 00:25.54 HUNTER ANDREW
008 00:25.63 SWITH BUCK

35 TO 39 (WORLD RECORD 00:25.31)

- 001 00:25.62 BARTHOLD BILL
002 00:25.98 FOOTE JOHN
003 00:26.20 TAKEUCHI SHIGEO
004 00:26.25 ZISKIN KEN
005 00:26.52 TAKAHASHI HIDEO
006 00:26.86 OSTERLUCK JOHN
007 00:26.87 ENDO YOSHIHARU
008 00:27.13 TSUTSUMI JYUNFACHIKUMI

40 TO 44 (WORLD RECORD 00:25.25)

- 001 00:25.29 CLARK STEPHEN
002 00:26.82 WILSON D CRAIG
003 00:27.62 WEBSTER WARWICK
004 00:28.19 TOKUDA TAKAHIRO
005 00:28.21 COWDELL TOM
006 00:28.73 ISHII SHINICHI
007 00:28.79 MOCHIZUKI KAZUYUKI
008 00:28.89 AOKI KATASHI

45 TO 49 (WORLD RECORD 00:26.12)

- 001 00:26.70 TAKAMINE RYUJI
002 00:27.41 PAVETTIS GYORGY FERENC
003 00:27.48 TAKAKURA AKIRA
004 00:27.68 DONOGUE KARL
005 00:27.83 RAVEN CHARLES
006 00:27.89 BASSI RICHARD
007 00:28.20 SAKAKI KATSUMI
008 00:28.41 VAN HORN WILLIAM

50 TO 54 (WORLD RECORD 00:26.16)

- 001 00:26.87 HILL DONALD
002 00:27.38 McDIARMID JOHN
003 00:27.75 GAY PHILIP
004 00:27.76 BOYES TERRY
005 00:28.77 SUZUKI HIROSHI
006 00:28.92 CROVETTO ELLO
007 00:29.18 CHIEH CHUNG WANG
008 00:29.19 HATTA MIKIYA

55 TO 59 (WORLD RECORD 00:27.43)

- 001 00:28.15 BROWN JOHN
002 00:29.50 EGAMI FUMIO
003 00:29.59 CHAPMAN PHILIP
004 00:30.22 KIMOTO AKIRA
005 00:30.33 BUCKLEY PETER
006 00:30.39 McRAY KEN
007 00:30.78 TSUSHIMA YASUSHI
008 00:31.23 STERN WILLIAM B

60 TO 64 (WORLD RECORD 00:28.83)

- 001 00:28.60 POWLISON PETER
002 00:28.88 MEMME FRANK
003 00:30.69 MAKI SAKU
004 00:31.16 WATT JOHN A
005 00:

80 TO 84 (WORLD RECORD 00:38.95)

- 001 00:50.21 JURCZYK PETER
002 01:03.05 SUENAGA KIYOKIHI
003 01:55.85 HARRIS STANLEY

MEN 100 FREESTYLE

25 TO 29 (WORLD RECORD 00:51.25)

- 001 00:51.45 MORGAN MARK
002 00:53.81 TUDOR JOHN
003 00:54.03 WELBOURN GRAHAM
004 00:54.50 PLACAK ROBERT
005 00:55.17 MARENS STUART
006 00:58.44 SAKAI KATSUHIRO
007 00:59.30 SANDOY VALEN
008 00:59.47 MAINPRIZE DAVID

30 TO 34 (WORLD RECORD 00:54.25)

- 001 00:50.52 G MONTGOMERY JAMES
002 00:55.10 GRIFFITH JAMES
003 00:55.71 HEDRICK TRIP
004 00:56.10 HUBBELL FRED
005 00:56.21 HAGIE DAVID
006 00:56.32 HUNTER ANDREW
007 00:56.96 CLAFLIN W CASEY
008 00:57.61 KLOUZAL HARRY

35 TO 39 (WORLD RECORD 00:55.38)

- 001 00:58.01 BANIAOLD BILL
002 00:58.75 TAKEUCHI SHIGEO
003 00:58.90 MOMSEN BOB
004 00:58.99 BOSTER STEVE
005 00:59.07 FOOTE JOHN
006 00:59.23 WARNER FRANK
007 00:59.48 ZISKIN KEN
008 00:59.80 HAAS RICHARD

40 TO 44 (WORLD RECORD 00:56.36)

- 001 00:56.40 GARTON TIMOTHY
002 00:57.93 CLARK STEPHEN
003 00:58.19 DENNIS CRAIG
004 00:58.33 WEBSTER WARWICK
005 01:02.27 WILKINER WAWWICK
006 01:04.63 MOURI SEIZOH
007 01:04.92 KISHI YOSHIOHRO
008 01:04.98 BUTTERWORTH IAN

45 TO 49 (WORLD RECORD 00:58.76)

- 001 01:01.53 BASSI RICHARD
002 01:02.25 VAN HORN WILLIAM
003 01:02.35 HARASZTI TEGZE
004 01:02.60 DONOHUE KARL
005 01:02.94 McLEAN IAN
006 01:04.03 SOUTHALL HENRY
007 01:03.11 RAVEN CHARLES
008 01:03.15 TAKAHASHI AKIRA

50 TO 54 (WORLD RECORD 00:59.25)

- 001 01:00.54 HILL DONALD
002 01:02.27 BOYES TERRY
003 01:02.28 McDIARMID JOHN
004 01:03.96 GAY PHILIP
005 01:04.23 ROBERTSON BILL
006 01:03.36 BEATTIE JACK R
007 01:05.82 CROWETT ELLIO
008 01:05.41 ROSS RODERIC

55 TO 59 (WORLD RECORD 01:03.40)

- 001 01:03.83 BARRY BOB
002 01:04.23 YAMAMOTO SHIGEO
003 01:04.64 BROWNJOHN JOHN
004 01:06.49 JOHNSTON GRAHAM
005 01:06.55 EGAMI FUMIO
006 01:07.1 WT CHAPMAN PHILIP
007 01:07.67 BUCKLEY PETER
008 01:08.27 HAYASHI NORIO

60 TO 64 (WORLD RECORD 01:04.22)

- 001 01:03.94 POWLISON PETER
002 01:07.10 PIERME FRANK
003 01:10.68 IWAGOH TSUTAE
004 01:12.34 WATT JOHN A
005 01:12.66 VICKERY KEVIN RAYMOND
006 01:13.06 MAKI SAKAE
007 01:13.82 ISHII KIYOSHI
008 01:15.17 GRANNIS FRANK R

65 TO 69 (WORLD RECORD 01:08.15)

- 001 01:16.33 MILSON PATRICK S
002 01:16.56 MYOJIN TAIKICHI
003 01:16.93 NAKASHIMA TOSHINARI
004 01:16.94 TAKAMI TOYOJI
005 01:17.70 SCOLES ROBERT D
006 01:18.52 CLEMENS GUS
007 01:18.80 RAWSTROM HARRY W
008 01:18.96 KIMURA RYUICHI

70 TO 74 (WORLD RECORD 01:11.61)

- 001 01:16.62 UEKI HIKOJI
002 01:17.85 OKUMOTO PETE
003 01:18.80 BOWERSOCK WOODROW
004 01:26.61 GRANT WILLIAM
005 01:26.99 HASEGAWA YOSHINOBU
006 01:27.31 CROSSETT L E GENE
007 01:29.23 KIMURA MASAO
008 01:29.23 AZUMA SHOGORO

75 TO 79 (WORLD RECORD 01:18.53)

- 001 01:23.69 TERAO TOSHIO
002 01:28.51 BELLAIRE FRANK R
003 01:31.11 ROBERTSON TEX
004 01:38.83 CONNOR MALCOLM
005 01:42.30 STARR LEE
006 02:10.60 OOTAKI MASAYUKI

80 TO 84 (WORLD RECORD 01:33.72)

- 001 02:43.10 UEDA SHUREI

MEN 200 FREESTYLE

25 TO 29 (WORLD RECORD 01:53.78)

- 001 01:58.95 WELBOURN GRAHAM
002 02:00.87 HEINRICH MARK F
003 02:00.96 TUDOR JOHN
004 02:04.66 MEARES STUART
005 02:07.74 GOERKE DAN
006 02:09.41 OMAR DIAZGONZALEZ
007 02:10.97 HARDING REX ALAN
008 02:13.29 MAINPRIZE DAVID

30 TO 34 (WORLD RECORD 02:00.55)

- 001 01:55.48 MONTGOMERY JAMES
002 02:03.56 GRIFFITH JAMES
003 02:04.18 HEDRICK TRIP
004 02:07.80 HAGIE DAVID
005 02:08.92 YOURD CHARLES
006 02:09.20 HUNTER ANDREW
007 02:10.22 WORDEN MARK
008 02:10.25 YOSHIWAKA KAZUHIKO

35 TO 39 (WORLD RECORD 02:00.45)

- 001 02:05.11 WILLIAMS RANDY
002 02:09.45 MOMSEN BOB
003 02:09.84 SPIEKER R TOD
004 02:11.21 WARNER FRANK
005 02:11.18 OSTERLOH JOHN
006 02:11.67 JOY PETER
007 02:16.53 HUTTON RALPH
008 02:16.71 TAKAHASHI HIDEO

40 TO 44 (WORLD RECORD 02:06.55)

- 001 02:06.70 GARTON TIMOTHY
002 02:13.57 GARIBALDI MIKE
003 02:13.04 CLARK STEPHEN
004 02:17.82 DENNIS CRAIG
005 02:19.10 WEBSTER WARWICK
006 02:19.86 BUTTERWORTH IAN
007 02:25.22 KELLY E KEVIN
008 02:27.80 HOAK JR THOMAS

45 TO 49 (WORLD RECORD 02:09.30)

- 001 02:15.49 HARASZTI TEGZE
002 02:19.16 SOUTHALL HENRY
003 02:20.23 VAN HORN WILLIAM
004 02:21.41 NISHINO KAZUYA
005 02:21.52 McLACHLAN MURRAY L
006 02:22.96 McLEAN IAN
007 02:24.46 HARRISON DAVID
008 02:25.70 RAVEN CHARLES

50 TO 54 (WORLD RECORD 02:17.37)

- 001 02:18.19 HILL DONALD
002 02:21.01 BOYES TERRY
003 02:23.65 McDIARMID JOHN
004 02:25.96 ROBERTSON BILL
005 02:28.20 ROSS RODERIC
006 02:38.61 HAMADA MINORU
007 02:39.83 INAMOTO SEJI
008 02:43.05 McLEAN BARRY

55 TO 59 (WORLD RECORD 02:26.31)

- 001 02:24.75 BARRY BOB
002 02:25.61 JOHNSTON GRAHAM
003 02:29.51 YAMAMOTO SHIGEO
004 02:32.22 BROWNJOHN JOHN
005 02:33.46 BUCKLEY PETER
006 02:34.59 McKay KEN
007 02:39.54 HAYASHI NORIO
008 02:42.23 STERN WILLIAM B

60 TO 64 (WORLD RECORD 02:27.03)

- 001 02:26.94 POWLISON PETER
002 02:39.74 PIERME FRANK
003 02:36.74 VICKERY KEVIN RAYMOND
004 02:36.74 ISHII KIYOSHI
005 02:39.48 WATT JOHN A
006 02:56.90 EDWARDS JAMES K
007 03:01.57 GRANNIS FRANK R
008 03:02.88 JONES GLYNN

65 TO 69 (WORLD RECORD 02:38.11)

- 001 02:40.54 TAFT RAY
002 02:45.99 SUZUKI DOUMEI
003 03:01.95 CLEMENS GUS
004 03:02.17 MILSON PATRICK S
005 03:04.75 KIMURA RYUICHI
006 03:07.15 SCOLES ROBERT D
007 03:08.30 AKIYAMA SADAARI
008 03:09.67 TOMPKINS KEN

70 TO 74 (WORLD RECORD 02:44.86)

- 001 02:55.65 UEKI HIKOJI
002 03:03.24 OKUMOTO PETE
003 03:14.43 BOWERSOCK WOODROW
004 03:20.49 CROSSETT L E GENE
005 03:32.9 WT AZUMA SHOGORO
006 03:33.56 DR SIEGEL HEINZ
007 04:22.4 WT LEHMAN EUGENE H
008 04:28.8 WT RUDINOFF JOSEPH D

75 TO 79 (WORLD RECORD 02:57.83)

- 001 03:16.0 WT TERAO TOSHIO
002 03:29.04 ROBERTSON TEX
003 03:33.7 WT BELLAIRE FRANK R
004 03:35.33 FUJITA AKIRA
005 03:59.35 CONNOR MALCOLM
006 04:17.14 SHINBOH EIZOH

80 TO 84 (WORLD RECORD 03:31.79)

- 001 04:04.55 YOSHIDA SYUHEI

MEN 400 FREE STYLE

25 TO 29 (WORLD RECORD 04:15.37)

- 001 04:19.70 HEINRICH MARK F
002 04:26.41 MEARES STUART
003 04:34.23 GOERKE DAN
004 04:37.62 OMAR DIAZGONZALEZ
005 04:43.28 HARDING REX ALAN
006 04:46.74 OPALACH EDWARD
007 04:52.94 EGAMI MICHIO
008 04:53.44 TSUHARA AKIRA

30 TO 34 (WORLD RECORD 04:16.32)

- 001 04:08.70 MONTGOMERY JAMES
002 04:31.49 YOURD CHARLES
003 04:34.36 FERROGGIARO FRED
004 04:38.97 WORDEN MARK
005 04:46.38 PRESCOTT STEVEN
006 04:49.24 KESSLERING NICK
007 05:06.86 FUKUSHIMA JYO
008 05:08.68 DOS SANTOS RONALDO

35 TO 39 (WORLD RECORD 04:21.98)

- 001 04:25.17 WILLIAMS RANDY
002 04:29.41 MOMSEN BOB
003 04:36.48 SPIEKER R TOD
004 04:39.33 LOVACEVICH JOHN
005 04:43.58 OSTERLOH JOHN
006 04:45.93 DONALD UJTENBOGAART
007 04:48.18 HUTTON RALPH
008 04:56.80 URRETA JORGE

40 TO 44 (WORLD RECORD 04:34.80)

- 001 04:28.11 GARTON TIMOTHY
002 04:44.57 ARAY EDWARD
003 04:49.15 GARIBALDI MIKE
004 04:59.05 BUTTERWORTH IAN
005 04:59.19 WEBSTER WARWICK
006 05:02.95 KELLY E KEVIN
007 05:22.61 GORDON L RATZLAFF
008 05:26.94 NONAKA HIROSHI

45 TO 49 (WORLD RECORD 04:37.15)

- 001 05:03.51 HARRISON DAVID
002 05:03.55 SOUTHALL HENRY
003 05:04.23 STOKES RAYMOND GEOFFREY
004 05:04.49 NISHINO KAZUYA
005 05:09.03 McLEAN IAN
006 05:11.92 VAN HORN WILLIAM
007 05:13.47 McLACHLAN MURRAY L
008 05:17.56 RAVEN CHARLES

50 TO 54 (WORLD RECORD 04:52.28)

- 001 04:59.23 HILL DONALD
002 05:07.57 BOYES TERRY
003 05:12.88 ROSS RODERIC
004 05:19.42 ROBERTSON BILL
005 05:26.55 CROVETT ELLIO
006 05:11.87 KELLY DOS SANTOS SYLVIO
007 05:16.13 INAMOTO SEJI
008 05:47.10 HAMADA MINORU

55 TO 59 (WORLD RECORD 05:16.83)

- 001 05:05.55 JOHNSTON GRAHAM
002 05:17.29 BARRY BOB
003 05:27.93 BROWNJOHN JOHN
004 05:30.07 YAMAMOTO SHIGEO
005 05:32.41 HAYASHI NORIO
006 05:36.12 HUCKLEY PETER
007 05:37.96 PARHAM A PHILIP
008 05:39.01 McKay KEN

60 TO 64 (WORLD RECORD 05:28.90)

- 001 05:33.16 POWLISON PETER
002 05:53.75 ISHII KIYOSHI
003 05:58.27 VICKERY KEVIN RAYMOND
004 06:13.04 EDWARDS JAMES K
005 06:18.49 IREGAMI ISAO
006 06:27.14 JONES GLYNN
007 06:32.02 DELPINO EMANUELE
008 06:37.41 GRANNIS FRANK R

65 TO 69 (WORLD RECORD 05:38.79)

- 001 05:53.39 SUZUKI DOUMEI
002 06:38.11 CLEMENS GUS
003 06:42.23 AKIYAMA SADAARI
004 06:47.27 SCOLES ROBERT D
005 07:07.51 EGUCHI TSUKURU
006 07:17.86 DALLMANN E E BUD
007 07:41.92 MASUKI YASUO
008 07:59.70 RAWSTROM HARRY W

70 TO 74 (WORLD RECORD 06:08.19)

- 001 06:15.31 UEKI HIKOJI
002 06:40.03 OKUMOTO PETE
003 07:09.29 CROSSETT GENE
004 07:20.00 BOWERSOCK WOODROW
005 07:33.61 SCHWARZ HANNE
006 07:43.64 D-SIEGEL HEINZ
007 07:41.25 ZIPPERLING WERNER
008 09:26.74 RUDDLEY JOSEPH D

75 TO 79 (WORLD RECORD 06:27.26)

- 001 06:57.41 TERAO TOSHIO
002 07:31.39 ROBERTSON TEX
003 08:51.01 CONNOR MALCOLM
004 09:12.84 SHINBOH EIZOH
005 10:06.06 SEIZUKI JYUNICHI

80 TO 84 (WORLD RECORD 07:23.09)

- 001 12:21.28 FOWLER HENRY

MEN 800 FREESTYLE

25 TO 29 (WORLD RECORD 08:57.51)

- 001 08:58.95 PLACAK ROBERT F
002 09:08.15 HEINRICHMARK F
003 09:22.18 GOERKE DAN
004 09:35.45 OMAR DIAZGONZALEZ
005 09:43.05 CHRISTIANSEN GLEN
006 10:05.12 HARDING REX ALAN
007 10:22.73 JOHNSON MICHAEL
008 10:24.71 TSUHARA AKIRA

30 TO 34 (WORLD RECORD 09:58.23)

- 001 08:08.46 MONTGOMERY JAMES
002 09:29.53 FERROGGIARO FRED
003 09:33.41 YOURD CHARLES
004 09:49.64 WORDEN MARK
005 10:03.35 PRESCOTT STEVEN
006 10:41.83 JIMBO TOORU
007 10:49.29 DOS SANTOS RONALDO
008 10:53.46 RYAN JAMES

35 TO 39 (WORLD RECORD 09:20.03)

- 001 09:09.14 WILLIAMS RANDY
002 09:39.80 SPIEKER R TOD
003 09:55.91 OSTERLOH JOHN
004 09:55.95 COVACEVICH JOHN
005 09:56.90 DONALD UJTENBOGAART
006 10:14.41 HUTTON RALPH
007 10:18.12 RUDLOFF JR EDWARD JR
008 10:25.61 TAKAHASHI HIDEO

40 TO 44 (WORLD RECORD 10:13.45)

- 001 09:09.48 GRAY EDWARD
002 09:58.45 GARIBALDI MIKE
003 10:22.24 BUTTERWORTH IAN
004 10:37.16 KELLY E KEVIN
005 11:14.78 GORDON L RATZLAFF
006 11:20.3 WT MOURI SEIZOH
007 11:47.62 CAGNONI MIGUEL CARLOS
008 11:49.66 ENDOH MAKOTO

45 TO 49 (WORLD RECORD 10:40.29)

- 001 10:22.33 HARASZTI TEGZE
002 10:41.91 HARRISON DAVID
003 10:48.38 NISHINO KAZUYA
004 10:49.06 SOUTHALL HENRY
005 10:49.33 McLEAN IAN
006 10:58.23 VAN HORN WILLIAM
007 11:51.7 WT TAKAHASHI TATSUO
008 11:53.19 OKADA WATARU

50 TO 54 (WORLD RECORD 10:17.40)

- 001 10:33.19 HILL DONALD
002 10:55.96 ROSS RODERIC
003 11:19.55 ROBERTSON BILL
004 11:27.58 KELLY DOS SANTOS SYLVIO
005 11:56.2 WT SMITH RUSSELL
006 12:17.70 INAMOTO SEJI
007 12:29.3 WT McLEAN BARRY
008 12:37.6 WT MULLINS STEPHEN

55 TO 59 (WORLD RECORD 12:20.42)

- 001 10:40.06 JOHNSTON GRAHAM
002 11:20.33 BROWNJOHN JOHN
003 11:30.70 BUCKLEY PETER
004 11:37.09 YAMAMOTO SHIGEO
005 11:45.38 PARHAM A PHILIP
006 12:00.15 McKay KEN
007 12:21.74 MURATA SHIGEO
008 12:40.9 WT STANLEY JACK

60 TO 64 (WORLD RECORD 12:39.01)

- 001 11:51.63 POWLISON PETER
002 12:35.88 ISHII KIYOSHI
003 12:40.66 VICKERY KEVIN RAYMOND
004 13:05.90 EDWARDS JAMES K
005 13:18.43 JONES GLYNN
006 13:56.96 DELPINO EMANUELE
007 14:28.17 MAEDA TEIZOH
008 14:31.68 HICK JACK MJ

65 TO 69 (WORLD RECORD 12:58.80)

- 001 12:19.10 SUZUKI DOUMEI
002 13:11.72 DA ROSA ALDO V
003 13:26.67 OKADA SANIWA
004 13:45.66 CLEMENS GUS
005 14:04.06 AKIYAMA SADAARI
006 14:05.76 SCOLES ROBERT D
007 14:30.73 NAKASHIMA TOSHINARI
008 14:59.22 EGUCHI TSUKURU

70 TO 74 (WORLD RECORD 12:45.90)

- 001 12:54.04 UEKI HIKOJI
002 13:41.37 SHEA EDWARD J
003 15:19.91 CROSSETT L E GENE
004 15:37.58 ROWAN DAVID
005 15:42.24 SCHWARZ HANNE
006 15:43.05 ZIPPERLING WERNER
007 15:49.78 STINSON JOHN
008 17:21.11 DR SIEGEL HEINZ

75 TO 79 (WORLD RECORD 14:33.62)

- 001 15:02.41 TERAO TOSHIO
002 15:44.19 ROBERTSON TEX
003 19:18.10 CONNOR MALCOLM
004 21:01.40 SHINBOH EIZOH

MEN 50 BACKSTROKE

25 TO 29 (WORLD RECORD 00:27.86)

- 001 00:27.39 ARANTES JR ROMULO
002 00:29.19 YOUNGER WILLIAM
003 00:30.83 MATTIOLI RICARDO
004 00:31.33 DOYLEY DOUG
005 00:31.46 RUBLE JIM
006 00:31.97 PRAYER GALLETT ANDREA
007 00:32.18 YARITA SEICHI
008 00:32.57 URUZAMI SHIGEKI

30 TO 34 (WORLD RECORD 00:27.93)

- 001 00:28.05 OZIER DIX WRAY
002 00:29.17 CLAFLIN W CASEY
003 00:30.59 KLOUZAL HARRY
004 00:30.67 RIACH EDDIE
005 00:30.92 MARTIN MARIO ALBERTO
006 00:30.97 YOSHIMOTO MICHIO
007 00:31.27 FERROGGIARO FRED
008 00:32.54 YAMASHITA YOSHIIHO

35 TO 39 (WORLD RECORD 00:28.04)

- 001 00:31.10 WARNER FRANK
002 00:31.41 HIRAMOTO TAKEO
003 00:31.62 URRETA JORGE
004 00:31.69 BATHOLD BILL
005 00:32.49 FOOTE JOHN
006 00:33.27 NAKANISHI SEIJI
007 00:33.28 MAKUTA ATSUSHI
008 00:33.71 GOMI KENICHI

40 TO 44 (WORLD RECORD 00:29.94)

- 001 00:30.49 GANTNER CHUCK
002 00:31.54 WELTY BOB
003 00:31.87 BEGLINGER JAMES
004 00:31.99 WHITTEN PHILIP
005 00:32.68 GRAY EDWARD
006 00:33.04 HENNE PAUL
007 00:33.85 NONAKA HIROSHI
008 00:33.67 HAYES BRIAN

45 TO 49 (WORLD RECORD 00:30.90)

- 001 00:32.46 DONOHUE KARL
002 00:32.58 BASSI RICHARD
003 00:33.74 JOHANNES RUDOLF
004 00:34.80 BROGAN JOHN
005 00:35.27 IMAMURA TSUTOMU
006 00:35.28 TAKAGI TADAYUKI
007 00:36.02 YANU HIROSHI
008 00:37.22 HARASHI HARUKI

80 TO 84 (WORLD RECORD 00:53.92)

- 001 00:59.58 JURCZYK PETER
002 01:03.44 FOWLER HENRY
003 01:31.83 UEDA SHUHEI

MEN 100 BACKSTROKE

25 TO 29 (WORLD RECORD 01:00.30)

- 001 00:59.00 ARANTES JR ROMULO
002 01:02.36 HEINRICHMARK F
003 01:05.49 YOUNGER WILLIAM
004 01:08.92 PRAYER GALLETT ANDREA
005 01:10.01 MAINPRIZE DAVID
006 01:10.05 YARITA SEIICHI
007 01:17.35 MONTEMAYOR GARY M
008 01:20.88 NAKAMURA TOSHIO

30 TO 34 (WORLD RECORD 01:00.40)

- 001 01:01.52 OZIER DIX WRAY
002 01:04.26 CLAFLIN W CASEY
003 01:06.23 FERROGGIARO FRED
004 01:07.13 RIACH EDDIE
005 01:10.20 YOSHIMOTO MICHIO
006 01:13.94 YAMASHITA YOSHIHIRO
007 01:16.56 FRAN KILLORY
008 01:17.61 OTOMI YUKIO

35 TO 39 (WORLD RECORD 01:02.53)

- 001 01:07.64 SPIEKER R TOD
002 01:07.93 BANHAOLD BILL
003 01:09.73 URRETA JORGE
004 01:10.12 WARNER FRANK
005 01:14.32 NAKAMISHI SEIJI
006 01:15.35 BEASLEY SCOTT
007 01:16.73 IAMIMYA TAKASHI
008 01:20.59 GILLIES ROBERT

40 TO 44 (WORLD RECORD 01:07.40)

- 001 01:08.29 GANTNER CHUCK
002 01:09.88 GRAY EDWARD
003 01:11.38 WELTY BOB
004 01:12.73 BEGLINGER JAMES
005 01:13.45 NONAKA HIROSHI
006 01:16.62 HENNE PAUL
007 01:15.10 HAYES BRIAN
008 01:18.56 Da Silva Filho Lauro

45 TO 49 (WORLD RECORD 01:10.12)

- 001 01:12.40 HANN RICHARD
002 01:14.08 HARASZTI TIRGET
003 01:14.22 DONOGHUE KARL
004 01:14.51 JOHANNES RUDOLF
005 01:29.60 TAKAGI TADAYUKI
006 01:26.51 FUKUSHIMA ICHIROH
007 01:27.19 YASUJI HIROSHI
008 01:28.91 IZHIZI KA MINORI

50 TO 54 (WORLD RECORD 01:11.27)

- 001 01:13.62 BEATTIE JACK R
002 01:17.69 HATTA MIKIYA
003 01:21.25 BOHAN JAMES
004 01:25.06 SKRAMSTAD LLOYD
005 01:26.10 TABUCHI GOROH
006 01:26.79 KOJIMA YUTAKA
007 01:28.45 NAKATA TOSHIROH
008 01:31.86 SUMI HIROSHI

55 TO 59 (WORLD RECORD 01:18.01)

- 001 01:15.25 BARRY BOB
002 01:22.57 SEEGER HJ
003 01:25.04 ASHIZAWA TETSUO
004 01:27.67 EGAMI FUMIO
005 01:29.34 McCLURE ROBERT
006 01:31.53 KIMBALL KENNETH
007 01:34.58 WATANABE RISUKE
008 01:40.00 WERNER GUNNAR

60 TO 64 (WORLD RECORD 01:20.74)

- 001 01:27.53 WATT JOHN A
002 01:28.93 SCHUBER WALTER
003 01:29.85 GANDSEY GEORGE E
004 01:35.62 TRUBY JACI
005 01:36.65 MELICK GEORGE
006 01:40.40 HASHIMOTO MASARU
007 01:47.36 SASAKI TSUTOMU
008 01:51.31 KANENO MITSUO

65 TO 69 (WORLD RECORD 01:27.48)

- 001 01:25.40 TAFT RAY
002 01:34.13 MIYAZAKI HIROMICHI
003 01:34.20 MILSON PATRICK S
004 01:35.34 YAMAMOTO BEANS HIROSHI
005 01:39.08 CURTIS ALEX
006 01:40.37 MASUKI YASUO
007 01:41.32 LURSEN HANS
008 01:41.45 KITAMURA KUSUO

70 TO 74 (WORLD RECORD 01:30.18)

- 001 01:30.52 SHEA EDWARD J
002 01:35.20 ROWAN DAVID
003 01:36.57 SCHWARZ HANNE
004 01:39.23 BUCHANAN CAMERON
005 01:41.24 KAWABATA SHIGEKATSU
006 02:44.92 RUDDLEY JOSEPH D
75 TO 79 (WORLD RECORD 01:32.92)
001 01:56.92 STARR LEE
002 02:01.40 MURAYAMA SUSUMU
003 02:13.93 FUJII KOHICHI

80 TO 84 (WORLD RECORD 02:06.19)

- 001 02:20.25 JURCZYK PETER
002 02:27.17 FOWLER HENRY

MEN 200 BACKSTROKE

25 TO 29 (WORLD RECORD 02:12.99)

- 001 02:13.56 ARANTES JR ROMULO
002 02:14.25 HEINRICHMARK F
003 02:26.03 DOYLEY DOUG
004 02:26.59 OMAR DIAZGONZALEZ
005 02:29.64 PRAYER GALLETT ANDREA
006 02:36.78 YARITA SEIICHI
007 02:51.22 TSUJHARA AKIRA
008 02:53.24 TANAKA HISAYA

30 TO 34 (WORLD RECORD 02:12.36)

- 001 02:19.42 OZIER DIX WRAY
002 02:21.08 FERROGGIARO FRED
003 02:23.39 CLAFLIN W CASEY
004 02:32.15 SAUNDERS MARK
005 02:47.83 DAITI HIROAKI
006 02:49.36 YAMASHITA YOSHIHIRO
007 02:56.62 OISHI YASUSHI
008 03:41.88 YUKI TAKASHI

35 TO 39 (WORLD RECORD 02:17.31)

- 001 02:25.79 SPIEKER R TOD
002 02:27.66 BANHAOLD BILL
003 02:31.52 WARNER FRANK
004 02:32.17 URRETA JORGE
005 02:45.86 BEASLEY SCOTT
006 03:00.59 MORITA CHI HARU
007 03:05.48 WALL TED ANTHONY
008 03:06.03 GILLIES ROBERT
009 03:06.03 DEGUCHI SHIGERU

40 TO 44 (WORLD RECORD 02:30.58)

- 001 02:30.56 GANTNER CHUCK
002 02:30.70 GRAY EDWARD
003 02:40.93 WELTY BOB
004 02:44.23 BEGLINGER JAMES
005 02:45.25 NONAKA HIROSHI
006 02:46.18 HAYES BRIAN
007 02:48.45 OHATA NORIO
008 02:55.63 WHITTEN PHILLIP

45 TO 49 (WORLD RECORD 02:35.57)

- 001 02:44.52 DONOGHUE KARL
002 02:47.62 JOHANNES RUDOLF
003 02:55.81 FUKUSHIMA YOSHIYUKI
004 03:00.41 BILL CHRIS
005 03:04.00 MA DON
006 03:12.12 FUKUSHIMA ICHIROH
007 03:15.91 ISHIZUKA MINORI
008 03:23.56 MIYAZAKI TADAYUKI

50 TO 54 (WORLD RECORD 02:35.44)

- 001 02:44.86 BEATTIE JACK R
002 01:02.66 HATTA MIKIYA
003 01:07.73 SMITH RUSSELL
004 01:09.97 SKRAMSTAD LLOYD
005 01:17.65 TABUCHI GOROH
006 03:29.26 SONODA YOSHIIHISA
007 03:31.08 SUMI HIROSHI
008 03:36.90 KOSHIBA SHIGEHKO

55 TO 59 (WORLD RECORD 02:51.91)

- 001 02:47.71 BARRY BOB
002 03:00.24 SEEGER HJ
003 03:17.04 KIMBALL KENNETH
004 03:21.21 McCLURE ROBERT
005 03:29.42 WATANABE RISUKE
006 03:30.35 MIYANO NORIO
007 03:30.69 YOSHIDA KAZUHISA
008 03:35.37 YAMANAKA YOSHIO

60 TO 64 (WORLD RECORD 02:56.45)

- 001 03:16.22 SCHUBER WALTER
002 03:20.15 GANDSEY GEORGE E
003 03:34.11 EDWARDS JAMES K
004 03:42.16 LAMAR BERRIS D
005 03:54.43 HASHIMOTO MASARU
006 03:55.85 DELPINO EMANUELE
007 04:31.81 JONES GYLYN
008 04:24.72 KANENO MITSUO

65 TO 69 (WORLD RECORD 03:13.05)

- 001 03:13.00 TAFT RAY
002 03:36.08 MIYAZAKI HIROMICHI
003 03:38.32 CURTIS ALEX
004 03:42.09 MASUKI YASUO
005 04:03.16 LURSEN HANS
006 04:11.71 WOLFEN FENSI B
007 04:08.67 FOWLER HENRY
008 04:56.28 SNOW DAVID

70 TO 74 (WORLD RECORD 03:18.45)

- 001 03:19.92 SHEA EDWARD J
002 03:33.45 SCHWARZ HANNE
003 03:34.75 ROWAN DAVID
004 03:40.18 YONEDA TOKUSHI
005 03:47.81 BUCHANAN CAMERON
006 03:56.67 KAWABATA SHIGEKATSU
007 04:27.11 ZIPPERLING WERNER
008 05:43.39 RUDDLEY JOSEPH D

75 TO 79 (WORLD RECORD 03:34.86)

- 001 04:17.70 MONAHAN THOMAS
002 04:25.08 STARR LEE
003 04:41.86 MURAYAMA SUSUMU
004 04:42.59 GRIFFITHS FRANK
005 05:17.80 SHINBOH EIZOH
80 TO 84 (WORLD RECORD 04:33.53)
001 05:09.46 JURCZYK PETER
002 06:03.28 FOWLER HENRY

MEN 50 BREASTSTROKE

25 TO 29 (WORLD RECORD 00:30.21)

- 001 00:30.41 CHRISTIANSEN GLEN
002 00:32.05 KAGAMI YOSHIHIDE
003 00:32.22 MAYORCA GERARDO PACO
004 00:32.32 DAVE GRAEME PEDDER
005 00:32.33 ROYALL BRADLEY DAVID
006 00:32.99 KAWAKAMI MITSUNORI
007 00:33.38 QUIGLEY DAVID
008 00:34.07 DOYLEY DOUG

30 TO 34 (WORLD RECORD 00:30.88)

- 001 00:31.09 MILTENBERGER CHESTER D
002 00:32.04 ITOH MASATOSHI
003 00:32.49 HUBBELL FRED
004 00:33.28 MIYAWAKI YUNJI
005 00:33.81 SALVO SERGIO
006 00:34.13 SUMIYOSHI YASUNORI
007 00:34.67 TA LII SHEN
008 00:34.77 JENN CHANG LEE

35 TO 39 (WORLD RECORD 00:32.01)

- 001 00:32.74 ZISKIN KEN
002 00:34.47 ENDOH YOSHIFUMI
003 00:34.58 OHATA MILTON MIKIO
004 00:34.70 TANABE SHIGERU
005 00:34.74 MOISEN BOB
006 00:35.17 FURUTA KAZUO
007 00:35.17 FUJIMOTO SATORU
008 00:35.26 KUBONO SHUNJI

40 TO 44 (WORLD RECORD 00:32.39)

- 001 00:31.10 HERNANDEZ RAFAEL
002 00:31.41 HENNE PAUL
003 00:33.88 MAEDA YOSHIYUKI
004 00:34.41 BOAK JR THOMAS
005 00:34.66 MATSUMOTO KENJIROH
006 00:34.76 IWATA TERUO
007 00:34.99 HUKOI GOROH
008 00:35.49 SAHARA TETSUAKI

45 TO 49 (WORLD RECORD 00:33.57)

- 001 00:33.43 SCHMIDT GUNTEV
002 00:34.93 YAW SHANG WANG
003 00:34.96 MULLIKEN BILL
004 00:35.91 CHAO ERH LO
005 00:36.02 PAVETTIS GYORGY FERENC
006 00:36.18 MATSUO MASAYUKI
007 00:36.84 STUTSEL GARY

50 TO 54 (WORLD RECORD 00:33.67)

- 001 00:33.38 KOTEGAWA HIROSHI
002 00:34.42 SUGIYAMA AKIO
003 00:35.20 SANGUILY MANUEL
004 00:36.11 HISAMATSU KENJI
005 00:37.86 BIDWELL DON
006 00:38.23 ISHIDA GIN
007 00:38.27 McDIARMID JOHN
008 00:38.62 OZAWA TOSHIROH

55 TO 59 (WORLD RECORD 00:36.74)

- 001 00:36.68 GRAJA BRUNELLO
002 00:39.25 DAVIES JONATHAN
003 00:40.22 KOBAYASHI MASAO
004 00:40.31 UDA KUSUHIDE
005 00:40.54 LOGAN THOMAS
006 00:40.78 CHAPMAN PHILIP
007 00:40.99 MOTION JAMES
008 00:41.04 GRUENDER DANIEL F

60 TO 64 (WORLD RECORD 00:38.19)

- 001 00:38.13 TAJIMA TOSHI
002 00:38.98 KURTZMAN JOSEPH L
003 00:39.45 PIERRE FRANK
004 00:39.79 RUDLOFF G EDWARD SE
005 00:40.96 KEGAMI ISAO
006 00:42.00 YAJIKA FERNANDO
007 00:42.10 YASUKAWA TAKESHI
008 00:44.11 MELICK GEORGE

65 TO 69 (WORLD RECORD 00:40.02)

- 001 00:39.82 MINNICH WALTER
002 00:42.65 MIYAMOTO YOSHITADA
003 00:42.93 DA ROSA ALDO V
004 00:43.28 NAEMURA ROKUROH
005 00:43.41 LAIRD JOHN
006 00:48.13 WOLF HEINZ
007 00:48.87 HOFFRICHTER WALLY B
008 00:50.07 HOSEI FUSAO

70 TO 74 (WORLD RECORD 00:41.41)

- 001 00:41.03 YOSHIMOTO HIROMI
002 00:42.10 ALLEN BENNETT
003 00:44.71 HASEGAWA YOSHINOBU
004 00:46.76 OOSAKI UTOHISA
005 00:52.12 LOMBARDIA RUOLFONZO
006 00:53.23 SAN PIN WANG
007 00:53.98 FUKUTOME TAKEO
008 00:56.26 BROADBENT KINGSLEY

75 TO 79 (WORLD RECORD 00:45.52)

- 001 00:48.44 KOYAMA KENOSUKE
002 00:53.46 WASHIO KOHKEN
003 00:58.68 HALE ERNEST
004 01:03.69 MURAYAMA SUSUMU
005 01:09.34 ONO SUIICHI
80 TO 84 (WORLD RECORD 00:54.29)
001 01:40.12 MIYAMOTO ISAMU

MEN 100 BREASTSTROKE

25 TO 29 (WORLD RECORD 01:06.87)

- 001 01:07.39 CHRISTIANSEN GLEN
002 01:10.86 KAGAMI YOSHIHIDE
003 01:12.08 MAYORCA GERARDO PACO
004 01:13.36 ROYALL BRADLEY DAVID
005 01:13.92 DAVE GRAEME PEDDER
006 01:14.33 QUIGLEY DAVID
007 01:17.79 DOYLEY DOUG
008 01:16.69 YOSHIKI HIDEYUKI

30 TO 34 (WORLD RECORD 01:09.30)

- 001 01:09.80 MILTENBERGER CHESTER D
002 01:12.65 ITOH MASATOSHI
003 01:16.71 SALVO SERGIO
004 01:18.17 FUKUSHIMA JYO
005 01:19.93 HASEGAWA HIDEHIKO
006 01:20.97 NISHIMURA TOKURU
007 01:21.14 VAN LOO PHIL H
008 01:23.52 EICMENBERGER EMIL

35 TO 39 (WORLD RECORD 01:11.43)

- 001 01:12.09 ZISKIN KEN
002 01:17.25 OHATA MILTON MIKIO
003 01:18.21 FUJII TOSHIHARU
004 01:19.01 TANABE SHIGERU
005 01:19.11 FUJIMOTO SATORU
006 01:19.93 KUBONO SHUNJI
007 01:19.97 FURUTA KAZUO
008 01:21.41 SATOU KENJI

40 TO 44 (WORLD RECORD 01:11.58)

- 001 01:13.03 HERNANDEZ RAFAEL
002 01:15.12 HENNE PAUL
003 01:15.83 MAEDA YOSHIYUKI
004 01:17.09 BURKE GEOFFREY
005 01:17.90 BOAK JR THOMAS
006 01:17.99 IWATA TERUO
007 01:21.24 WHITTEN PHILLIP
008 01:22.60 MURRAY ALLEN K

45 TO 49 (WORLD RECORD 01:15.47)

- 001 01:15.85 SCHMIDT GUNTEV
002 01:16.42 OOSAKI YOSHIHIKO
003 01:18.41 MULLIKEN BILL
004 01:19.81 CHAO ERH LO
005 01:21.88 PAVETTIS GYORGY FERENC
006 01:23.41 STUTSEL GARY
007 01:24.37 SHIH MING CHU
008 01:27.38 SHIH LIN CHEN

50 TO 54 (WORLD RECORD 01:15.60)

- 001 01:19.07 SANGUILY MANUEL
002 01:20.09 SUGIYAMA AKIO
003 01:20.21 KOTEGAWA HIROSHI
004 01:23.06 HISAMATSU KENJI
005 01:26.61 ISHIDA GIN
006 01:27.35 MIZUGAI TOSHISHIGE
007 01:27.44 BIDWELL DON
008 01:27.82 KATOHSU ETSUYA

55 TO 59 (WORLD RECORD 01:22.57)

- 001 01:27.51 GRAJA BRUNELLO
002 01:29.15 DAVIES JONATHAN
003 01:30.13 MUMPFER PAUL
004 01:32.29 LOGAN THOMAS
005 01:34.01 UDA KUSUHIDE
006 01:34.86 GRUENDER DANIEL F
007 01:35.34 SUDA SHOGO
008 01:35.74 KOBAYASHI MASAO

60 TO 64 (WORLD RECORD 01:29.32)

- 001 01:32.10 RUDLOFF G EDWARD SE
002 01:32.97 KURTZMAN JOSEPH L
003 01:33.30 NAJERA FERNANDO
004 01:33.77 YASUKAWA TAKESHI
005 01:37.27 SHIH HSI LEE
006 01:41.24 MELICK GEORGE
007 01:41.49 ITOH TOSHIHIKO
008 01:42.05 FUKUHARA SABUROH

65 TO 69 (WORLD RECORD 01:31.07)

- 001 01:31.98 MINNICH WALTER
002 01:33.20 DA ROSA ALDO V
003 01:35.08 HUO TSAI LIN
004 01:36.56 NAEMURA ROKUROH
005 01:38.37 MIYAMOTO YOSHITADA
006 01:42.17 LAIRD JOHN
007 01:50.50 DALLMANN E EUBO
008 01:55.99 MATSUSAKA SACHIO

70 TO 74 (WORLD RECORD 01:33.20)

- 001 01:36.62 ALLEN BENNETT
002 01:40.10 YOSHIMOTO HIROMI
003 02:02.53 FUKUTOME TAKEO
004 02:04.87 LOMBARDI ENZO
005 02:12.52 KANAZAWA SOHJI
006 02:24.56 BROADBENT KINGSLEY
75 TO 79 (WORLD RECORD 01:48.25)
001 02:02.69 KOYAMA KENOSUKE
002 02:28.05 MURAYAMA SUSUMU
003 02:42.20 ONO SUIICHI

MEN 200 BREASTSTROKE

25 TO 29 (WORLD RECORD 02:30.96)

- 001 02:30.88 CHRISTIANSEN GLEN
002 02:35.73 KAGAMI YOSHIHIDE
003 02:40.35 MAYORCA GERARDO PACO
004 02:41.20 DOYLEY DOUG

005 02:45.44 ROYALL BRADLEY DAVID

- 006 02:51.57 QUIGLEY DAVID
007 02:54.80 MATTIOLI RICARDO
008 02:55.40 TSUNEOKA SEIICHI
30 TO 34 (WORLD RECORD 02:33.51)
001 02:43.73 ITOH MASATOSHI
002 02:46.89 MILTENBERGER CHESTER D
003 02:53.50 ICHIBA KAZUNOBU
004 02:54.68 SALVO SERGIO
005 02:54.85 FUKUSHIMA JYO
006 02:58.77 NISHIMURA TOKURU
007 03:02.40 SATOH TAKEAKI
008 03:07.01 FLIMMER WAYNE

35 TO 39 (WORLD RECORD 02:40.81)

- 001 02:40.18 ZISKIN KEN
002 02:49.15 MOISEN BOB
003 02:59.29 SMITH LAURIE
004 02:59.64 BOAK JR THOMAS
005 02:59.76 JOY PETER
006 03:01.41 JIN LAI SHIVE
007 03:02.37 YAMAMOTO SHIGEO
008 03:03.28 NAGATSUKA EIICHI

40 TO 44 (WORLD RECORD 02:43.01)

- 001 02:50.42 HENNE PAUL
002 02:51.97 HERNANDEZ RAFAEL
003 02:52.39 BURKE GEOFFREY
004 02:56.32 BOAK JR THOMAS
005 02:57.02 WHITTEN PHILLIP
006 02:57.19 IWATA TERUO
007 03:01.91 YAHITA TETSUAKI
008 03:05.84 MURRAY ALLEN K

45 TO 49 (WORLD RECORD 02:51.18)

- 001 02:51.67 SCHMIDT GUNTEV
002 02:52.25 MULLIKEN BILL
003 03:03.53 CHAO ERH LO
004 03:08.92 STUTSEL GARY
005 03:09.33 KOUNO MITSUO
006 03:12.65 ALDENHOFF FRIEDEL
007 03:12.98 SHINOHARA YUTAKA
008 03:14.43 SHIH LIN CHEN

50 TO 54 (WORLD RECORD 02:53.76)

- 001 03:03.08 SANGUILY MANUEL
002 03:10.14 HISAMATSU KENJI
003 03:14.30 RICHARDS RON
004 03:14.89 YOYOKAWA KATSUSUKE
005 03:15.44 KATOHSU ETSUYA
006 03:15.72 K

30 TO 34 (WORLD RECORD 00:25.84)	001 00:26.13 OZIER DIX WRAY ●	002 00:26.61 HAGUE DAVID	003 00:26.64 HEDRICK TRIP	004 00:27.05 HUBBELL FRED	005 00:27.64 JOHNSON RIC	006 00:28.25 HUNTER ANDREW	007 00:28.45 DA SILVA LUIS R	008 00:28.51 YOSHIOKA TAKASHI
35 TO 39 (WORLD RECORD 00:27.31)	001 00:27.00 FOOTE JOHN ●	002 00:27.68 KURAHARA RYOICHI	003 00:28.02 BOSTER STEVE	004 00:28.52 HAAS RICHARD	005 00:28.79 WHATLEY JOHN	006 00:29.24 TSUJI NORIATA	007 00:29.53 TSUTSUMI JYUNPACHIROH	008 00:29.62 TABUSO SIDNEY
40 TO 44 (WORLD RECORD 00:27.56)	001 00:27.76 CLARK STEPHEN ●	002 00:28.48 GANTNER CHUCK	003 00:29.38 HERNANDEZ RAFAEL	004 00:29.84 DENNIS D CRAIG	005 00:30.33 HIGASHIWARA AKIYOSHI	006 00:30.40 WELTY BOB	007 00:30.54 HAYASI NOBUATSU	008 00:30.92 OKAMURA KENSUKE
45 TO 49 (WORLD RECORD 00:29.20)	001 00:27.78 TAKAMINE RYUJI	002 00:28.95 TAKAKURA AKIRA	003 00:29.70 HASSI RICHARD	004 00:29.76 PETERSEN BERT	005 00:29.85 KIWAHARA SHIGEHARU	006 00:31.07 TAKECHI CHIRYO	007 00:31.14 EBARA KAZUHIKO	008 00:31.19 NISHINO KAZUYA
50 TO 54 (WORLD RECORD 00:29.97)	001 00:31.67 SUGIYAMA AKIO	002 00:32.75 NAGASAWA JIROH	003 00:32.80 KAMIYA MASAYASU	004 00:32.83 OZAWA TOSHIROH	005 00:32.93 KOJIMA KEISUKE	006 00:32.94 BOHAN JAMES	007 00:33.01 McDIARMID JOHN	008 00:33.31 BEATTIE JACK R
55 TO 59 (WORLD RECORD 00:31.68)	001 00:32.82 TSUSHIMA YASUSHI	002 00:33.22 EGAMI FUMIO	003 00:35.33 TATEDA TOSHIKAZU	004 00:36.73 DAVIES JONATHAN	005 00:37.51 AZUMA ERIC A	006 00:37.85 PHILIP CHAPMAN	007 00:38.11 TORSNEY MICHAEL	008 00:38.13 AMANO TATSUNORI
60 TO 64 (WORLD RECORD 00:33.99)	001 00:30.33.11 FLEMME FRANK ●	002 00:36.17 KURTZMAN JOSEPH L	003 00:37.18 TOKUNAGA KEICHI	004 00:39.70 ICHIYAMA KOICHI	005 00:39.74 SUGAO ATSUSHI	006 00:39.89 HANSEN JIM	007 00:40.02 NAJERA FERNANDO	008 00:40.51 SUZUKI NAAMI
65 TO 69 (WORLD RECORD 00:35.21)	001 00:40.21 MOSELEY HARWELL ●	002 00:41.73 LAMB JOHN	003 00:42.39 NAKASHIMA TOSHINARI	004 00:42.21 OKADA TAKASHI	005 00:42.71 EDMIRKS CES	006 00:41.14 YAMAMOTO HEANS HIDEHIKI	007 00:41.86 KIMURA RYUICHI	008 00:45.00 BOFFKICHTER WALLY IV
70 TO 74 (WORLD RECORD 00:37.96)	001 00:42.19 KOWAN DAVID ●	002 00:42.51 HASEGAWA YOSHINOBU	003 00:42.96 GRANT WILLIAM	004 00:49.58 YAMASAKI RYOSUKE	005 01:01.68 KAWABATA SHIGEKATSU	006 01:07.29 (WORLD RECORD 00:42.11)	007 01:02.40 HALE ERNEST ●	008 01:03.61 ICHIHASHI MANNOSUKE
75 TO 79 (WORLD RECORD 00:42.11)	001 01:03.61 ICHIHASHI MANNOSUKE	002 01:09.25 FUJII KOICHI	003 01:12.27 JURCZYK PETER ●	004 01:12.27 JURCZYK PETER ●	005 01:12.27 JURCZYK PETER ●	006 01:12.27 JURCZYK PETER ●	007 01:12.27 JURCZYK PETER ●	008 01:12.27 JURCZYK PETER ●
80 TO 84 (WORLD RECORD 00:57.67)	001 01:12.27 JURCZYK PETER ●	002 01:12.27 JURCZYK PETER ●	003 01:12.27 JURCZYK PETER ●	004 01:12.27 JURCZYK PETER ●	005 01:12.27 JURCZYK PETER ●	006 01:12.27 JURCZYK PETER ●	007 01:12.27 JURCZYK PETER ●	008 01:12.27 JURCZYK PETER ●
MEN 100 BUTTERFLY								
25 TO 29 (WORLD RECORD 00:56.34)	001 00:57.12 PLACAK ROBERT ●	002 00:57.98 MORGAN MARK	003 01:00.80 YOUNGER WILLIAM	004 01:05.48 RUBLE JIM	005 01:05.61 MASUDA TOSHIYUKI	006 01:06.18 YOSHIDA OSAMU	007 01:07.29 MATSUDA SYUICHI	008 01:08.38 MUNRO NETL
30 TO 34 (WORLD RECORD 00:58.52)	001 00:59.61 GRIFFITH JAMES ●	002 00:59.97 HEDRICK TRIP	003 01:00.45 HUBBELL FRED	004 01:02.03 HAGUE DAVID	005 01:03.32 SWITH BUCK	006 01:03.56 SAUNDERS MARK	007 01:03.97 PRESCOTT STEVEN	008 01:04.16 HUNTER ANDREW
35 TO 39 (WORLD RECORD 00:58.59)	001 01:01.90 KURAHARA RYOICHI	002 01:02.65 BOSTER STEVE	003 01:02.73 WILLIAMS RANDY	004 01:03.68 HAAS RICHARD	005 01:03.84 COVACEVICH JOHN	006 01:04.46 FOOTE JOHN	007 01:06.96 TSUJI NORIATA	008 01:07.52 WHATLEY JOHN
40 TO 44 (WORLD RECORD 01:02.05)	001 01:04.31 GARTON TIMOTHY ●	002 01:06.00 CLARK STEPHEN	003 01:06.24 HERNANDEZ RAFAEL	004 01:08.87 HIGASHIWARA AKIYOSHI	005 01:10.11 YAMADA GICHIROH	006 01:10.13 HAYASHI NOBUATSU	007 01:17.80 ABE YOHICHI	008 01:17.91 SHIMOTSU YUICHI
45 TO 49 (WORLD RECORD 01:06.65)	001 01:07.67 PETERSEN BERT	002 01:07.91 TAKAKURA AKIRA	003 01:11.55 SCHIMH GUNTEV	004 01:13.38 FUJINASHI YOSHIYUKI	005 01:13.57 STOKES RAYMOND GEOFFREY	006 01:14.11 NISHINO KAZUYA	007 01:17.92 EBARA KAZUHIKO	008 01:19.01 KONISHI CHITOSHI
50 TO 54 (WORLD RECORD 01:07.13)	001 01:18.41 SANGUILY MANUEL ●	002 01:19.86 BANNING SEYMOUR	003 01:22.54 KAMIYA MASAYASU	004 01:23.56 SEIKER KARL WILHELM	005 01:29.75 GIRVAN BILL	006 01:30.17 WUDTKE DON	007 01:35.47 ALIOTTI LUCIO	008 01:35.65 INAMOTO SEIJI
55 TO 59 (WORLD RECORD 01:14.20)	001 01:20.13 EGAMI FUMIO	002 01:21.58 TSUSHIMA YASUSHI	003 01:27.81 TATEDA TOSHIKAZU	004 01:31.92 TORSNEY MICHAEL	005 01:34.69 COLPE DON	006 01:39.34 SAKAMOTO AKINORI	007 01:39.58 MILETTI VITTORIO	008 01:48.82 OGURA TOSHIKAZU
60 TO 64 (WORLD RECORD 01:19.90)	001 01:25.85 KURTZMAN JOSEPH L ●	002 01:36.55 NAJERA FERNANDO	003 01:41.13 LEVINE MARYS	004 01:55.96 KASACK EHLBERTO	005 01:21.72 MOSELEY HARWELL ●	006 02:00.95 MASI KI YASUO	007 02:02.08 NAKASHIMA TOSHINARI	008 02:06.85 TSUCHIYA SEICHI
65 TO 69 (WORLD RECORD 01:29.32)	001 01:31.72 MOSELEY HARWELL ●	002 02:00.95 MASI KI YASUO	003 02:02.08 NAKASHIMA TOSHINARI	004 02:06.85 TSUCHIYA SEICHI	005 02:12.04 CURTIS ALEX	006 02:26.49 MORSE ROBERT	007 02:32.19 SAUNDERS MARK	008 02:42.40 FUKUSHIMA JYO
70 TO 74 (WORLD RECORD 01:39.69)	001 01:54.07 STINSON JOHN ●	002 01:54.25 GRANT WILLIAM	003 01:56.01 HASEGAWA YOSHINOBU	004 02:15.39 GRIFFITHS FRANK	005 02:57.32 HALE ERNEST	006 02:28.43 GOERKE DAN ●	007 02:38.16 OMAR DIAZGONZALEZ	008 02:54.42 MUNRO NETL
75 TO 79 (WORLD RECORD 01:49.04)	001 02:15.39 GRIFFITHS FRANK	002 02:57.32 HALE ERNEST	003 02:28.43 GOERKE DAN ●	004 02:38.16 OMAR DIAZGONZALEZ	005 02:54.42 MUNRO NETL	006 02:28.43 GOERKE DAN ●	007 02:38.16 OMAR DIAZGONZALEZ	008 02:54.42 MUNRO NETL
MEN 200 BUTTERFLY								
25 TO 29 (WORLD RECORD 02:05.25)	001 02:28.43 GOERKE DAN ●	002 02:38.16 OMAR DIAZGONZALEZ	003 02:54.42 MUNRO NETL	004 02:28.43 GOERKE DAN ●	005 02:38.16 OMAR DIAZGONZALEZ	006 02:54.42 MUNRO NETL	007 02:28.43 GOERKE DAN ●	008 02:38.16 OMAR DIAZGONZALEZ
30 TO 34 (WORLD RECORD 02:12.57)	001 02:22.27 YOUNG CHARLES ●	002 02:23.08 SAUNDERS MARK	003 02:27.68 WORDEN MARK	004 02:40.38 YOSHIOKA TAKASHI	005 02:52.21 KUPINSKI DENNIS	006 02:55.42 RYAN JAMES	007 03:08.37 SULLIVAN TIM	008 03:42.36 YAMAKAMI NORIHIKO
35 TO 39 (WORLD RECORD 02:12.91)	001 02:17.49 WILLIAMS RANDY ●	002 02:25.18 COVACEVICH JOHN	003 02:40.18 HUTTON RALPH	004 02:45.66 DONALD UUTENBOGAART	005 02:45.74 RUDLOFF JR EDWARD JR	006 02:53.34 BERGBY STEIN	007 03:00.26 OGAWA JYUICHI	008 03:08.24 LOTZ WILLIAM
40 TO 44 (WORLD RECORD 02:27.47)	001 03:07.95 HAYASHI NOBUATSU	002 03:13.57 SHIMOTSU YUICHI	003 03:14.56 YAMADA GICHIROH	004 03:16.17 MATSUMOTO GAKU	005 03:26.73 HERSKOVICH JACQUES	006 03:28.22 KISHI YOSHIIKO	007 03:33.94 DICK MORRIS	008 03:40.27 ISHIGURO HIROAKI
45 TO 49 (WORLD RECORD 02:32.06)	001 02:45.04 HARASZTI TEGZE ●	002 02:40.88 McLACHLAN MURRAY L	003 02:41.50 MULLIKEN BILL	004 02:55.31 TAKAKURA AKIRA	005 02:55.53 PETERSEN BERT	006 02:57.16 NAKATA RON	007 03:11.96 SEKIDO TAKESHI	008 03:42.93 WINGATE IVAN
50 TO 54 (WORLD RECORD 02:35.51)	001 02:41.89 BOYES TERRY	002 02:51.64 ROBERTSON BILL	003 03:04.46 HAMADA MINORU	004 03:07.26 SMITH RUSSELL	005 03:07.42 KAMIYA MASAYASU	006 03:09.59 BANNING SEYMOUR	007 03:10.14 RICHARDS RON	008 03:20.43 SKRAMSTAD LLOYD
55 TO 59 (WORLD RECORD 02:38.72)	001 02:45.34 SCHIMH GUNTEV	002 02:45.43 MULLIKEN BILL	003 02:56.83 STOKES RAYMOND GEOFFREY	004 02:57.71 PETERSEN BERT	005 03:16.22 WATSON PETER	006 03:17.75 KONISHI CHITOSHI	007 03:28.72 WOODS KIMVYN	008 03:36.72 ANDERSON BARRY RONALD
60 TO 64 (WORLD RECORD 02:33.79)	001 03:10.97 BANNING SEYMOUR	002 03:21.97 KAMIYA MASAYASU	003 03:26.61 SEIKER KARL WILHELM	004 03:30.11 SMITH RUSSELL	005 03:32.10 WUDTKE DON	006 03:33.70 KAHIL ROBERT	007 03:37.45 GIRVAN BILL	008 03:47.79 HUBWELL DON
65 TO 69 (WORLD RECORD 03:04.49)	001 03:17.58 GAGLIA BRUNELLO	002 03:28.08 LOGAN THOMAS	003 03:35.94 TORSNEY MICHAEL	004 03:41.93 TATEDA TOSHIKAZU	005 03:43.95 SALEK SIDNEY	006 03:57.00 COLPE DON	007 04:01.83 SAKAMOTO AKINORI	008 04:17.79 HUBWELL DON
70 TO 74 (WORLD RECORD 03:09.36)	001 03:17.78 KURTZMAN JOSEPH L ●	002 03:10.97 McLACHLAN MURRAY L	003 03:18.73 LAMAR JERRIS D	004 03:18.91 HANSEN JIM	005 03:11.99 SCAMIDT CHARLES	006 03:31.70 JONES G LYNN	007 04:04.61 MOSELEY HARWELL	008 04:07.33 DA ROSA ALDO V
75 TO 79 (WORLD RECORD 03:34.69)	001 04:04.61 MOSELEY HARWELL	002 04:07.33 DA ROSA ALDO V	003 04:10.91 MORSE ROBERT	004 05:10.95 BRUSCANTINI BRENNO	005 05:10.95 BRUSCANTINI BRENNO	006 05:10.95 BRUSCANTINI BRENNO	007 05:10.95 BRUSCANTINI BRENNO	008 05:10.95 BRUSCANTINI BRENNO
80 TO 84 (WORLD RECORD 03:43.08)	001 05:10.95 BRUSCANTINI BRENNO	002 05:10.95 BRUSCANTINI BRENNO	003 05:10.95 BRUSCANTINI BRENNO	004 05:10.95 BRUSCANTINI BRENNO	005 05:10.95 BRUSCANTINI BRENNO	006 05:10.95 BRUSCANTINI BRENNO	007 05:10.95 BRUSCANTINI BRENNO	008 05:10.95 BRUSCANTINI BRENNO
MEN 200 INDIVIDUAL MEDLEY								
25 TO 29 (WORLD RECORD 02:14.02)	001 02:16.29 TUDOR JOHN ●	002 02:20.11 MEARES STUART	003 02:22.63 MATTIOLI RICARDO LUIGI	004 02:30.78 GOERKE DAN	005 02:31.43 MAINPRIZE DAVID	006 02:32.36 SANDOY SVEIN	007 02:33.40 MASUDA TOSHIYUKI	008 02:37.17 TSUJIKAWA AKIRA
30 TO 34 (WORLD RECORD 02:16.04)	001 02:20.98 SWITH BUCK ●	002 02:21.57 GRIFFITH JAMES	003 02:26.19 CLAFLIN W CASEY	004 02:27.47 RIACH EDDIE	005 02:28.15 KLOUZAL HARRY	006 02:28.73 WORDEN MARK	007 02:32.19 SAUNDERS MARK	008 02:42.40 FUKUSHIMA JYO
35 TO 39 (WORLD RECORD 02:20.44)	001 02:27.03 HAAS RICHARD ●	002 02:30.11 COVACEVICH JOHN	003 02:30.46 HIRAMOTO TAKEO	004 02:34.58 TSUTSUMI JYUNPACHIROH	005 02:36.26 DONALD UUTENBOGAART	006 02:39.63 HUTTON RALPH	007 02:40.60 FUJII TOSHIHARU	008 02:40.83 JOYI PETER
40 TO 44 (WORLD RECORD 02:23.20)	001 02:23.62 GARTON TIMOTHY ●	002 02:27.41 DENNIS D CRAIG	003 02:28.24 BEGLINGER JAMES	004 02:38.97 GARIBALDI MIKE	005 02:40.22 WELTY BOB	006 02:41.17 NOMAKA HIROSHI	007 02:48.00 BUTTERWORTH IAN	008 02:53.89 KONDO AKIRA
45 TO 49 (WORLD RECORD 02:32.06)	001 02:45.04 HARASZTI TEGZE ●	002 02:40.88 McLACHLAN MURRAY L	003 02:41.50 MULLIKEN BILL	004 02:55.31 TAKAKURA AKIRA	005 02:55.53 PETERSEN BERT	006 02:57.16 NAKATA RON	007 03:11.96 SEKIDO TAKESHI	008 03:42.93 WINGATE IVAN
50 TO 54 (WORLD RECORD 02:35.51)	001 02:41.89 BOYES TERRY	002 02:51.64 ROBERTSON BILL	003 03:04.46 HAMADA MINORU	004 03:07.26 SMITH RUSSELL	005 03:07.42 KAMIYA MASAYASU	006 03:09.59 BANNING SEYMOUR	007 03:10.14 RICHARDS RON	008 03:20.43 SKRAMSTAD LLOYD
55 TO 59 (WORLD RECORD 02:50.52)	001 02:49.61 JOHNSTON GRAHAM ●	002 03:13.87 McCLURE ROBERT	003 03:14.56 LOGAN THOMAS	004 03:18.20 SALEK SIDNEY	005 03:20.48 GRAJA BRUNELLO	006 03:22.18 DAVIES JONATHAN	007 03:24.44 WEN JANG WU	008 03:27.94 YONEZAWA SADAO
60 TO 64 (WORLD RECORD 02:56.57)	001 03:17.06 RUDLOFF G EDWARD SE	002 03:22.63 VICKERY KEVIN RAYMOND	003 03:27.8 Mc ICHIYAMA KOICHI	004 03:38.87 LEVINE MARYN	005 03:50.23 LAMAR BURRIS D	006 03:53.99 SCAMIDT CHARLES	007 04:14.80 TAKENAKA HIRONAO	008 04:54.17 KANENO MITSUO
65 TO 69 (WORLD RECORD 03:13.98)	001 03:09.33 TAFT RAY ●	002 03:44.88 MOSELEY HARWELL	003 04:33.87 MORSE ROBERT	004 04:37.25 BRUSCANTINI BRENNO	005 05:35.34 TAYLOR LAUCHLAN	006 05:35.34 TAYLOR LAUCHLAN	007 05:35.34 TAYLOR LAUCHLAN	008 05:35.34 TAYLOR LAUCHLAN
70 TO 74 (WORLD RECORD 03:21.96)	001 04:02.15 STINSON JOHN ●	002 04:13.86 DR SIEGEL HEINZ	003 04:15.90 GRANT WILLIAM	004 04:25.11 KAWABATA SHIGEKATSU	005 05:09.28 MIZUGUCHI HIDEHIRO	006 05:09.28 MIZUGUCHI HIDEHIRO	007 05:09.28 MIZUGUCHI HIDEHIRO	008 05:09.28 MIZUGUCHI HIDEHIRO
75 TO 79 (WORLD RECORD 03:59.57)	001 04:27.19 GRIFFITHS FRANK	002 06:02.99 HALE ERNEST	003 07:41.25 SHINBOH EIZOH	004 07:41.25 SHINBOH EIZOH	005 07:41.25 SHINBOH EIZOH	006 07:41.25 SHINBOH EIZOH	007 07:41.25 SHINBOH EIZOH	008 07:41.25 SHINBOH EIZOH
WOMEN 200 FREE RELAY TO 119								
2:02.51 GREMIO SUL AMERICA	2:22.75 TOKYO YMCA	2:32.61 HEKKU ICHIKAWA	2:34.64 MAINICHI MASTERS SC	2:40.20 TO 159	2:02.80 SOUTHERN CALIFORNIA AM	2:05.91 MOTHERWELL MASTERS	2:07.31 LONE STAR MASTERS SC	2:08.08 TOWNVILLE MASTERS
2:09.47 UBC MASTERS CLUB	2:11.45 MAINICHI MASTERS SC	2:16.17 OREGON MASTERS SWIMMING	2:17.04 GEORGIA MASTERS WHALES	160 TO 199	2:10.88 SAN DIEGO SWIM MASTERS	2:15.39 GREMIO SUL AMERICA	2:22.07 DURHAM LIGHT	2:22.87 KOMAZAKI SC
2:22.99 MITAKASHI SUIEIRENMEI	2:26.32 NAS SS HANAHATA	2:28.62 TAKAIDO SC	2:31.14 HAKUYOH SWIMMERS	200 TO 239	2:16.01 POWER POINTS	2:22.21 MAINICHI MASTERS SC	2:30.11 TRILLIUM MASTERS SC	2:33.67 SOUTHERN CALIFORNIA AM
2:37.76 SS HEKKU TAKATSUKI	2:37.82 POINTE CLAIQE MASTERS SC	2:38.23 SAPPORO ATHLETIC CLUB	2:40.61 NOBORITO SC	240 TO 279	2:46.24 NOBORITO SC	2:49.98 GREMIO SUL AMERICA	2:51.50 NORTH LODGE	2:53.79 MAINICHI MASTERS SC
3:02.19 KINOKAWA SS	3:07.55 TAKAIDO SC	3:10.39 RAKUSUKAI	3:11.28 YOKOHAMA SUIEIKAI	280 TO	4:26.50 MAINICHI MASTERS SC	4:44.44 YOKOHAMA SUIEIKAI	4:45.22 YOKOHAMA SUIEIKAI	4:45.22 YOKOHAMA SUIEIKAI
4:45.22 YOKOHAMA SUIEIKAI	4:45.22 YOKOHAMA SUIEIKAI	4:45.22 YOKOHAMA SUIEIKAI	4:45.22 YOKOHAMA SUIEIKAI	4:45.22 YOKOHAMA SUIEIKAI	4:45.22 YOKOHAMA SUIEIKAI	4:45.22 YOKOHAMA SUIEIKAI	4:45.22 YOKOHAMA SUIEIKAI	4:45.22 YOKOHAMA SUIEIKAI
WOMEN 200 MEDLEY RELAY TO 119								
2:14.95 GREMIO SUL AMERICA	2:16.01 POWER POINTS	2:22.21 MAINICHI MASTERS SC	2:30.11 TRILLIUM MASTERS SC	2:33.67 SOUTHERN CALIFORNIA AM	2:37.76 SS HEKKU TAKATSUKI	2:37.82 POINTE CLAIQE MASTERS SC	2:38.23 SAPPORO ATHLETIC CLUB	2:40.61 NOBORITO SC
240 TO 279	2:46.24 NOBORITO SC	2:49.98 GREMIO SUL AMERICA	2:51.50 NORTH LODGE	2:53.79 MAINICHI MASTERS SC	3:02.19 KINOKAWA SS	3:07.55 TAKAIDO SC	3:10.39 RAKUSUKAI	3:11.28 YOKOHAMA SUIEIKAI
280 TO	4:26.50 MAINICHI MASTERS SC	4:44.44 YOKOHAMA SUIEIKAI	4:45.22 YOKOHAMA SUIEIKAI	4:45.22 YOKOHAMA SUIEIKAI	4:45.22 YOKOHAMA SUIEIKAI	4:45.22 YOKOHAMA SUIEIKAI	4:45.22 YOKOHAMA SUIEIKAI	4:45.22 YOKOHAMA SUIEIKAI
WOMEN 200 MEDLEY RELAY TO 119								
2:14.95 GREMIO SUL AMERICA	2:16.01 POWER POINTS	2:22.21 MAINICHI MASTERS SC	2:30.11 TRILLIUM MASTERS SC	2:33.67 SOUTHERN CALIFORNIA AM	2:37.76 SS HEKKU TAKATSUKI	2:37.82 POINTE CLAIQE MASTERS SC	2:38.23 SAPPORO ATHLETIC CLUB	2:40.61 NOBORITO SC
240 TO 279	2:46.24 NOBORITO SC	2:49.98 GREMIO SUL AMERICA	2:51.50 NORTH LODGE	2:53.79 MAINICHI MASTERS SC	3:02.19 KINOKAWA SS			

240+	NEW ENGLAND	1:43.71	MID ATLANTIC	2:35.54	GOLD COAST	1:51.24	120+	
DC	Fisher, Eisenhauer, Schlicker, Crowder		Shostchuk, Rowstrom, Schaeffer, Bellaire		McGuire, Timmons, Winn, Cavanaugh		DC	
Woods, Lemmon, Kandmine, Bettis	1:51.18	BOCA RATON	1:44.13	ST. PETERSBURG	2:37.69	NEW ENGLAND	1:53.33	Wolf, VonHoffman, Hochisle, Hirsty
NEW ENGLAND	1:52.31	Boyd, Sharp, Kirkland, LaMontagne		Tillotson, Johnson, Jennings, Durworth		Read, Hart, Reed, Martin		LONE STAR
Wilson, Katz, Edwards, Haartz		1:45.30	MILLS	2:38.95	LONE STAR	1:53.77	Boston, Wansley, Hedrick, Morrison-Casey	1:45.63
SDCAST	1:53.61	Ozier, Trajett, Goering, Matthew		Anderson, Hoffrichler, Coon, Clemens		TAMPLAIS AQUATIC		BOCA RATON
Bennett, MacDonald, Cousins, Curney		160+		JERSEY	2:41.40	DC	1:54.30	Boyd, DiGerbo, Wyatt, LaMontagne
EMPIRE STATE	1:57.08	EMPIRE STATE	1:47.55	Vogt, Dotterweich, McIntosh, Kenney		Flynn, Emes, Gates, Lerlich		CENTRAL FLORIDA
Ross, Nebbens, Briesemeister, Guttia		Kolonkowsk, Gallagher, Pulop		LONG BEACH	2:44.82	OREGON	1:55.36	Miltenberger, Dickey, Budseaman, Drysdale
MID ATLANTIC	2:00.61	DC	1:47.72	Burnside, Guth, Welch, Chapin		LOS ALTOS	1:56.56	Fisher, Melick, Schlicker, Hettach
Franks, Melick, Rowan, Harrison		Densmore, Grager, Lyons, Newman		Merrill, Charberlain, Langer, Schofield	2:46.70	Ferris-Johnson, Richards, Bennett, Cazalet		VALLEY FORGE
OREGON	2:02.50	LONE STAR	1:48.90	ST. PETERSBURG	3:02.29	TROJAN	1:57.26	Baxter, Chapman, Schuman, Manger
Mack, Young, Guest, Walter		Welty, Book, Carter, Rawls		Leadbetter, Molloy, Stinson, Briscoe		CONN	1:59.14	Milton, Marckic, Dunbar, Karrasch
JERSEY	2:02.75	OREGON	1:49.27	MIXED FREE RELAY	1:19 and under	CONN	1:59.47	SCHAFFER, GATTING, WAGNER, SCHMIDT
Newman, Harris, Mincoe, Painter		Smith, Prator, Warner, Vaughan		1:19 and under		Donnelly, Martin, Green, Gulotta		WALNUT CREEK
ST. PETERSBURG	2:04.47	P.N.A.	1:51.00	F.A.S.T.	1:32.70	LONE STAR	1:59.47	Hansen, Maljester, Berg, Neil
Molvie, Brainin, Friedland, Beach		O'Donnell, Reid, Wright, Rroebsting		Ranicez, Nixon, Harris, Zwaine		Hoffrichkr, Clemins, Preis, Montgomery, Hanson		VIRGINIA
CENTRAL FLORIDA	2:05.10	SAN MATEO MARLINS	1:52.03	LONE STAR	1:33.19	240+		Lange, Dougherty, Crouse, Tubergen
Winkler, Moseley, Cleaveland, Skjersaa		Gelime, Stellart, Bassi, Gray		Anderson, Welch, Montgomery, Vander Bogoff		CONNECTICUT	2:03.41	160+
NEW ENGLAND	2:08.55	MICHIGAN	1:52.12	WALNUT CREEK	1:36.37	Donnelley, Sanguelley, Gravenort, Phillips		OREGON
Tebbens, Keefe, Guido, Pitts		Gray, Wittek, Spear, Heictier		Lannini, Breiter, O'Brien, Ring		NEW ENGLAND	2:08.46	Smith, Pierson, Rousseau, Vaughan
280+		VIRGINIA	1:53.14	STROM'S	1:36.55	HAARTZ, WILSON, MCINTYRE, BROWN		EMPIRE STATE
MID ATLANTIC	2:05.03	Lange, Dougherty, Sullivan, Grossmann		Falker, DeHerder, Tudor, Younger		MID ATLANTIC	2:11.45	Kolonkowsk, Gallagher, Katz, Hare
Shostchuk, Bellaire, Schaeffer, Rawstrom		NEW ENGLAND	1:53.45	CHARLESTON	1:37.17	EAST CAROLINA	2:13.46	NEW ENGLAND
DC	2:08.31	Hart, Hintzain, Fleming, Vandyk		Moran, O'Brien, Sarrett, Melsenheimer		GREENHAM, GREENHAM, RESSEGUIE, GOSSTYLA		CLAYSON, GINTLIAN, WALSH, PAGE
Murphy, Kassell, Fite, Herrera		PALM BEACH COUNTY	1:54.09	DC	1:38.09	NEW ENGLAND	2:13.98	DC
JERSEY	2:09.09	Gill, Hilton, Cheicks, Hulton		Kanamme, West, Williams, Callahan		KATZ, HUME, HEIGHAM, SPEARS		Herrington, Greger, Lyons, Brand
Harris, Vogt, Dotterwich, Kenney		200+		VALLEY FORGE	1:38.19	JERSEY	2:14.70	SAN DIEGO
LONE STAR	2:13.04	Smith, Flynn, Dnes, Bechtel		Dardoris		OREGON	2:15.34	Earley, Williams, Dunbar, Karrasch
Clemens, Robertson, Bandrowski, Hoffrichler		CENTRAL FLORIDA	1:54.98	BOCA RATON	1:39.52	ST. PETERSBURG	2:16.37	Poklan, Kolar, David, Padavan
LONG BEACH	2:13.05	Beatties, Robinson, Moseley, Miltenberger		Boyd, Sharp, Narcowich, Wyatt		LINCOLN	2:16.86	MICHIGAN
Winstip, Smith, Bowesock, Allen		NEW ENGLAND	1:58.65	LONE STAR	1:40.40	GRAY, DRER, WEIR, WITTECK		LONE STAR
ARIZONA	2:17.85	Clayson, Hopkins, Johnson, Lyndon		Smith, Kingsberry, Barton, Haque, Beau		LYNCOIN	2:19.68	WELTY, HUNSICKER, HEARN, KINGSBERRY
Liber, Sawhill, Starr, Westerfield		GOLD COAST	1:59.73	RALEIGH	1:40.60	MARYLAND	2:02.06	Brown, Gorshey, Eller, Ramanawkas
ST. PETERSBURG	2:18.04	Winn, Kern, Cavanaugh, Manganiello		Solomon, Lehman, Nichols, Krellwitz		INLAND EMPIRE	2:02.90	Chay, Arndt, Daboll, Dewitt
Durworth, Johnston, Jennings, Stinson		SAN DIEGO	2:00.81	120+		DC	2:13.54	Kassell, Lemmon, Hummer, Clark
ST. PETERSBURG	2:32.96	Goode, Skranstad, Drum Earley		LONE STAR	1:32.34	SAN MATEO	2:13.97	Taft, Taft, Kaufman, Etienne
Molvie, Molloy, Mitchell, Augustine		SAN MATEO MARLINS	2:01.42	DC	1:32.46	RINCONADA	2:25.48	IRVING, WEISS, JOHNSTON, DaRosa
TAMPAIS	2:33.69	Gray, Stewart, Taft, Bassi		Worf, Makarezyk, Skiff, Hirsty		JERSEY	2:33.51	Botterweich, Boorman, Dolce, Sigrist
Dewitt, Burns, Segnes, Schwab		OKLAHOMA	2:01.53	NEW ENGLAND	1:35.21	DC	2:35.96	Mattila, Latham, Fite, Woods
DC	2:36.36	George, Helsing, Cowan, Duncan		Crowder, Lane, Stecker, Wettach		ST. PETERSBURG	2:39.08	Jennings, Johnston, Kennedy, Jennings
McAfee, Miller, Sapperstein, Bove		OREGON	2:01.90	BOCA RATON	1:35.53	MID ATLANTIC	2:40.10	Bellaire, Kellogg, Fusselman, Rawstrom
ST. PETERSBURG	2:45.92	ELLIOTT, GUEST, PETERSEN, BOYD		LaMontague, Kirkland, Dicerbo, Karageorges		SUNCOAST	2:41.13	Pulmer, Fulmer, Switzer, Papp
Briscoe, Walbolt, Tillotson, Valle		CONNECTICUT	2:02.18	DC	1:37.42	ST. PETERSBURG	2:51.97	Tucker, Stinson, McRechnie, Walbolt
MEN MEDLEY RELAY		EMPIRE STATE	2:02.90	Fisatte, Van Hoffman, Shaffer, Hochuli		WALNUT CREEK	2:52.68	Cooper, Leach, Durston, Johnston
119 and under		Debarbidillo, Johnson, Tubbens, DeJesus		VALLEY FORGE	1:39.58	MIXED MEDLEY RELAY	1:19 and under	1:47.10
STROM'S	1:36.89	240+		Schuman, Chapman, Dix-Trafford, Manger	1:39.82	NEW ENGLAND	1:43.37	Schlicher, Hopkins, Page, Teudy
Tudor, Banks, DeHerder, Younger		NEW ENGLAND	2:09.01	CENTRAL FLORIDA	1:40.58	WALNUT CREEK	1:44.89	Hintlian, Van Dyk, Walsh, Blake
Valley Forge	1:37.00	Katz, Haartz, Wilson, Edwards		Winkkur, Cleveland, Dippy, Skjersaa		NEW ENGLAND	1:45.96	OREGON
Dardoris, Casciato, Schuman, Manger		MID ATLANTIC	2:10.26	MORALE, WHITE, O'BRIEN, RINK		SAN DIEGO	1:46.49	Smith, Pierson, Rousseau, Vaughan
F.A.S.T.	1:37.75	EMPIRE STATE	2:13.84	Belmont, Shores, Findorf, Howell, Richards, Buckendahl		DC	1:47.20	Kirkendall, Haffey, Sintz, Bergurst
Zubero, Joxner, Dodge, Ramirez		Pitts, Forbes, Gotilla, Ross		SANTA BARBARA	1:42.90	CONN	1:48.29	Cornett, Lambert, Langenhan, Bernard
DC	1:38.58	SUNCOAST	2:16.72	Howland, Christensen, Asplund, McGinnis		CHARLESTON	1:48.81	Walter, Morrison, Wells, Hegner
Fisette, Shaffer, Makarczyk, West		ST. PETERSBURG	2:22.62	Keeler, Johnson, Johnson, Leadbetter		VALLEY FORGE	1:48.91	Dardaris, Trafford, Lawson, Geerling
WALNUT CREEK	1:41.04	EMPIRE STATE	2:23.57	Watson, Blomel, Meehan, Manz		WALNUT CREEK	1:49.02	Breiter, Lannini, Ocbrien, Lannini
Morales, White, O'Brien, Rink		Pitts, Forbes, Gotilla, Ross		WISCONSIN	1:45.00	LONE STAR	1:49.10	Anderson, VanderBogart, Montgomery, Storey
Belmont, Shores, Findorf, Howell, Richards, Buckendahl		SUNCOAST	2:16.72	Watson, Blomel, Meehan, Manz		NEW ENGLAND	1:49.75	Test, Eisenhaur, Crowder, Crowder
SANTA BARBARA	1:42.90	EMPIRE STATE	2:27.70	Turnapoll, Hamlett, Coreg, Mc		DC	1:44.86	Bruner, Brey, Bechtel, Newman
Howland, Christensen, Asplund, McGinnis		EMPIRE STATE	2:13.84	240+		NEW ENGLAND	1:44.86	Bruner, Brey, Bechtel, Newman
ST. PETERSBURG	1:44.89	EMPIRE STATE	2:13.84	WOLF, VON HOFFMAN, KANDMINE, KANZLER		NEW ENGLAND	1:44.86	Bruner, Brey, Bechtel, Newman
Keeler, Johnson, Johnson, Leadbetter		EMPIRE STATE	2:13.84	LONE STAR	1:38.97	NEW ENGLAND	1:44.86	Bruner, Brey, Bechtel, Newman
WISCONSIN	1:45.00	EMPIRE STATE	2:13.84	LONG BEACH	2:13.05	NEW ENGLAND	1:44.86	Bruner, Brey, Bechtel, Newman
Watson, Blomel, Meehan, Manz		EMPIRE STATE	2:13.84	WALNUT CREEK	2:13.05	NEW ENGLAND	1:44.86	Bruner, Brey, Bechtel, Newman
EMPIRE STATE	1:45.31	EMPIRE STATE	2:13.84	WALNUT CREEK	2:13.05	NEW ENGLAND	1:44.86	Bruner, Brey, Bechtel, Newman
Turnapoll, Hamlett, Coreg, Mc		EMPIRE STATE	2:13.84	WALNUT CREEK	2:13.05	NEW ENGLAND	1:44.86	Bruner, Brey, Bechtel, Newman
120+		EMPIRE STATE	2:13.84	WALNUT CREEK	2:13.05	NEW ENGLAND	1:44.86	Bruner, Brey, Bechtel, Newman
DC	1:37.70	EMPIRE STATE	2:13.84	WALNUT CREEK	2:13.05	NEW ENGLAND	1:44.86	Bruner, Brey, Bechtel, Newman
Wolf, Von Hoffman, Kandmine, Kanzler		EMPIRE STATE	2:13.84	WALNUT CREEK	2:13.05	NEW ENGLAND	1:44.86	Bruner, Brey, Bechtel, Newman
LONE STAR	1:38.97	EMPIRE STATE	2:13.84	WALNUT CREEK	2:13.05	NEW ENGLAND	1:44.86	Bruner, Brey, Bechtel, Newman
Barton, Vanderbogart, Haque, Montgomery		EMPIRE STATE	2:13.84	WALNUT CREEK	2:13.05	NEW ENGLAND	1:44.86	Bruner, Brey, Bechtel, Newman
LONE STAR	1:40.36	EMPIRE STATE	2:13.84	WALNUT CREEK	2:13.05	NEW ENGLAND	1:44.86	Bruner, Brey, Bechtel, Newman
Hess, Laune, Hedrick, Wood		EMPIRE STATE	2:13.84	WALNUT CREEK	2:13.05	NEW ENGLAND	1:44.86	Bruner, Brey, Bechtel, Newman
SOUTHWEST	1:42.92	EMPIRE STATE	2:13.84	WALNUT CREEK	2:13.05	NEW ENGLAND	1:44.86	Bruner, Brey, Bechtel, Newman
Schaffer, Holmes, Wagner, DiTolla		EMPIRE STATE	2:13.84	WALNUT CREEK	2:13.05	NEW ENGLAND	1:44.86	Bruner, Brey, Bechtel, Newman
THE OLYMPIC CLUB	1:43.48	EMPIRE STATE	2:13.84	WALNUT CREEK	2:13.05	NEW ENGLAND	1:44.86	Bruner, Brey, Bechtel, Newman
Ivry, Hubbard, Williams, Barthold		EMPIRE STATE	2:13.84	WALNUT CREEK	2:13.05	NEW ENGLAND	1:44.86	Bruner, Brey, Bechtel, Newman
PALM BEACH COUNTY	1:43.55	EMPIRE STATE	2:13.84	WALNUT CREEK	2:13.05	NEW ENGLAND	1:44.86	Bruner, Brey, Bechtel, Newman
Startzman, Madison, Antonetz, Maass		EMPIRE STATE	2:13.84	WALNUT CREEK	2:13.05	NEW ENGLAND	1:44.86	Bruner, Brey, Bechtel, Newman
MELLENBERG A.C.	1:43.62	EMPIRE STATE	2:13.84	WALNUT CREEK	2:13.05	NEW ENGLAND	1:44.86	Bruner, Brey, Bechtel, Newman
Bober, Palmgren, LeVasseur, Fleck		EMPIRE STATE	2:13.84	WALNUT CREEK	2:13.05	NEW ENGLAND	1:44.86	Bruner, Brey, Bechtel, Newman

CHARLESTON	2:38.28
Kahrs, Kurtzman, Fissette, Poole	
280+	
ST. PETERSBURG	2:35.58
Jennings, Jennings, Kennedy, Tillotson	
DC	2:47.72
Fite, Hummer, Lemmon, Clark	
RINCONADA	2:52.22
Johnston, Weiss, daRosa,, Irvine	
CONN	2:52.94
Langner, Sautter, Phillips, Donnelly	
JERSEY	2:56.62
Vogt, Newman, Highland, Dolce	
DC	2:56.68
Latham, Mattila, Woods, Kassell	
SAN MATEO	2:57.68
Taft, Taft, Kaufman, Etienne	
ST. PETERSBURG	3:18.36
Tillotson, Thomas, Stinson, McKezhnie	
MID ATLANTIC	3:22.45
Fusselman, Kellogg, Raustrom, Bellaire	
INDIAN RIVER	3:31.77
Jurczyk, Wilder, Spear, Newman	
C.L.Y.M.	3:38.80
Hopkins, Bowen, Starr, Thornburg	

ON DECK.....Tom Lyndon

A THIRD REASON TO SWIM.... Obviously, swimming tones the muscles or whatever and tunes the cardio-vascular pump and tube apparatus. Many swimmers say their improved mental health outweighs the physical gain. These freebie mental medications seem to be directly triggered by raw exercise, at times it acting as a tranquilizer and at other times yielding a pleasant high.

Beyond the physical and mental arguments, Miss Graham has identified a third sphere, which can be the most compelling when she says (she's been working on the dance for 70 years), "Practice is a means of inviting the perfection desired...". As I become jaded from bulling my way to fast times, I find

myself more and more committed to exploring the concept of learning to swim. In addition to training for the sake of its physical and mental health benefits, I want to explore my opportunities to swim smoother, smarter, faster, to learn more about my swimming potential. At times I consider reducing my training to merely comfortable, benign levels and probably would have by now if it were not for that puzzlement that nags me to know more about what are my limits and how close I can or choose to approach them.

Before reading Miss Graham's words, I would have described interval training ("sets") somewhat mechanically. Now I will also try to address the motivation she has illuminated, namely, to learn what we can do and to do what we have learned.

WHAT IS A SET?.... An example is swimming 50 yards, resting 30 seconds, swimming 50 yards, resting 30 seconds, swimming 50 yards, resting 30 seconds, swimming 50 yards, resting 30 seconds. This could be described as a "4 x 50 swim on 1:15" set, assuming you swam each 50 in 45 seconds. When you include the rest on the end, it would take you 5 minutes in total to swim this set.

WHY DO SETS?.... Do you swim steadily with determination, diligently and doggedly until it's time to get out or until you have swum your "laps" or your "distance"? To me, it seems implicit in this sort of approach to swimming that you are more concerned with your physical and mental health than swimming more sagely and swiftly. You sweat, then you look and feel better. OK, for sure that's better than not sweating, but it could be more.

Sets set the stage for a continuous examination and practice of whatever you can devine from pondering your behavior as you chug up and down the pool. When you swim a half mile or swim 20 and kick 20, or swim whatever you have settled on, you are likely to be primarily focused on putting in your yards or minutes. You may enter the water with resolves to think about what you are doing and profit from it, but somewhere—hopefully not too early in the workout—the name of the game changes to merely grinding it out, since that's all you can deal with.

Like the cavalry galloping over the hill just as the indians are about to do it, sets come to your rescue. First, they give you a chance to regroup, catch your breath and send some oxygen back into your wasted muscles. This is almost reason enough for me to swim sets. Second, they give you repeated opportunities to consider what's happening to you in the water while you rest. Does your stroke deteriorate as you get tired? Do you think a lot less about your stroke when you're tired? Third, sets allow you to try again and again what you are trying to learn and practice. Because you recover somewhat during the rests, each swim in a set at least starts out with you clear headed and not too pooped. (Next month: more on why sets are important.)

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Swimming News

NO FOG TIP - (From Adirondack Masters via Conn Masters via Southeastern Masters) Instead of buying expensive NO FOG solutions, mix NTS (No Tears Shampoo) half and half with water. Try it! You'll never use anything else! (Ed. note: I did and I do!!).....

CONNIE WILSON BY EARL WALTER - A time to remember, a great and fine person, whose happy smile plus infectious laugh, made each and every day that much better, that much the greater for Oregon Masters, and for everyone. Connie Wilson, the founder and Chairman Emeritus of Oregon Masters Swimming died on July 22nd. She was in swimming and athletics from almost the day she was born; a fine volleyball player and coach at Portland State, PSU was then a power in women's volleyball, a gold medalist and national champion Masters Track and Field, a National Champion and Oregon's first All American in Masters Swimming. 1986 was a difficult year for Connie, she was ill on and off, but still was willing and able to assist with the planning for the Long Course Championships at MHCC. In the water she was almost her old self, winning a silver in the backstroke at Nationals and swimming a leg on our gold medal Women's Medley Relay Team, also at Ft. Pierce. Yes, a time to remember, when things were darkest for Oregon Masters Swimming, with only two or three dozen swimmers and all in

disarray, she stepped into the breach. Connie's Leadership was immediately evident, Masters Swimming in Oregon was alive and well. I first met Connie in 1974 at the Association Championships in Beaverton, Masters was going well, growing by leaps and bounds, she single handedly was building one of the finest Masters organizations in the country, am happy to say that she asked to join the team, she continued with unmatched energy to build Oregon Masters Swimming as well as Masters Swimming in the Northwest and across the country. Connie went to almost every National U.S. Masters Convention, was selected by three national presidents to serve as a delegate at large, turned over the reins in Oregon after building OMS into the sixth largest organization in the USA, as we all know she did not stop there, she kept right on working, going to conventions, helping us get the Nationals in 1982, helping in all ways, including registration for a couple of years. From the little girl who swam a mean backstroke for MAC, to the fine person who helped us all in so many ways, yes, we will remember Connie Wilson, and we will miss her in so many many ways.....

LONG COURSE NATIONALS - 933 swimmers competed in the Long Course Nationals held in Portland, OR in August. Sandi Rousseau and her crew did an outstanding job! The meet ran very swiftly and was most enjoyable. The weather was HOT (and I live in Florida). But better hot than cold! The banquet was really good and the old swim suits modeled were different. Hope to have the final results for the next issue.....

WHAT IS AN OXYMORON? - It is a figure of speech (like metaphor, simile, hyperbole, personification...) in which a phrase produces an effect by a seeming self-contradiction. The most familiar are "strangely familiar", "cruel kindness", and "make haste slowly". They provide color, impact and an appropriate level of 'Gong Show' mentality in what might be either too serious or boring. It is exactly what is needed in swimming writing. One day I went to the pool and decided to communicate in oxymorons. It was taper time and the water was a little too hot. During the workout, I made the following statements: "At this water temperature it feels like a dry wetness". "With my lactate levels, my edge is gone. I have a kind of rough smoothness." "We can ease into these sprints with a slow quickness." "Swimming the 1500 correctly requires that you experience euphoric pain". Unfortunately, people who had heard about oxymoron month didn't take it seriously enough. I was treated with respectful scorn. This can really launch us into the future of high level publications in swimming which we are all trying to achieve.

By - Ross W. Lambert, Jr., M.D.....

SWIM-MASTER

June Krauser, Editor
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SWIM CALENDAR

VOL XV - No 8

OCT 1986

SEP 27	SC - Oceana Zone - Steve Schofield, 9740 Yolanda, Northridge, CA 91324	
27	SC - Mtr - John Spannuth, Cleveland County Y, 1001 Halley Ave., Norman, OK 73069	
27	SC - Mary Lou Jaworski, YMCA, 12th & Cleveland, Little Rock, AR 72204	
28	SC - SDMS-Dunbar, 5703 La Jolla Hermosa Ave., La Jolla, CA 92037	
OCT 4	SC - Mtr - SPMA at Santa Fe Springs, CA	
4	SC - Kerry O'Brien, 5517 Nebraska Dr., Concord, CA 94521	
4	SC - Mtr - Janet Latham, 2732 Somerset Place, Oklahoma City, OK 73116	
12	SC - Jeff Porteus, 7 Miles Ave., Oneonta, NY 13820	
12	SC - Alicia Coleman, 24 The Point, Coronado, CA 92118	
25	Clinic - by Dick Hannula at Tacoma, WA	
25	SC - Mtr - John Spannuth, Cleveland County Y, 1001 Halley Ave., Norman, OK 73069	
25	SC - Cal Schaeffer, 2826 Eastwood Dr., York, PA 17402	
26	SC - SPMA at Ventura College, CA	
26	SC - Pentathlon/1000 yd free - Lynn Bragg, 5121 Bonnie Branch Rd., Ellicott City, MD	
NOV 1-2	SC - Katie Cottrell, 153 California Ave., Oak Ridge, TN 37830	
2	SC - Penthlon - Dot Werry, P.O. Box 8205, Sacramento, CA 92118	
8	SC - SPMA at El Tora High (Orange County, CA)	
8-9	SC - Meet/Clinic - Judy Meyer, P.O. Box 3522, University, AL 35486	
8-9	SC - San Francisco State U. Pool, San Francisco, CA	
15-16	SC - Mtr - Steve Wycoff, Anderson Swim Ctrs., 1115 Cornelia Rd., Anderson, SC 29621	
22	SC - Mtr - SPMA at Pierce College, CA	
22	SC - Mtr - John Spannuth, Cleveland County Y, 1001 Halley Ave., Norman, OK 73069	
DEC 6	SC - Sally Ann Peterson, Box 9122, Truckee, CA 95737	
7	SC - Long Events - Alicia Coleman, 24 The Point, Coronado, CA 92118	
13	SC - SPMA at Cerritos, CA	
27	SC - Mtr - John Spannuth, Cleveland County Y, 1001 Halley Ave., Norman, OK 73069	
FEB 13-14	SC - Ken Hickey, 905 Muldoon Rd. A-35, Anchorage, AK 99504	
APR 25-26	SC - John Brucato, 213 Osceola Ave., Nashville, TN 37209	
MAY 1987	USMS SC NATIONALS - Stanford University, Palo Alto, CA	May 15-18
AUG 1987	USMS LC NATIONALS - The Woodlands, TX	Aug 21-24
OCT 1988	2nd FINA/MSI WORLD MASTERS SWIMMING CHAMPIONSHIPS, Australia	Oct 8-14

Judy Meyer, Chairman of MACA announces the following clinics for coaches & swimmers. The format will vary from clinic to clinic. Many offer coaches sessions on Sat. & swimmers on Sun.

OCT 11-12	New England - Bob Burns, Choate/Rosemary Hall, Wallingford, CT 06492	
11-12	Virginia - Dr. Jim Miller, 1417 Johnston-Willis Dr., Richmond, VA 23235	
15-16	Florida - George Bole, 425 1 10th Ave. NE, St. Petersburg, FL 33701	
15-16	Louisiana - Dick Bower/Frank Shepard, 600 Haring Rd., Metairie, LA 70001	
15-16	Ohio - Bill Tingley, 2008 Trevilian Way, Louisville, KY 40299 (in Cincinnati)	
	Michigan - Jennifer Parks, 5155 East Brookfield, East Lansing, MI 48823 (in Detroit)	
	Texas - Jim Montgomery, P.O. Box 821002, Dallas, TX 75382	
NOV 1-2	Nebraska - Rob Copeland, 4209 Madison, Omaha, NE 68107	
NOV 15-16	Colorado - Kevin Polanski, 2433 Silverfir Ave., Loveland, CO 80537	
OCT 18-19	So. Calif. - Steve Schofield, 9740 Yolanda, Northridge, CA 91324	
	No. Calif. - Ross Yancher, 521 First St., Davis, CA 95616	
NOV 22-23	Oregon - Sandy Rousseau, c/o Swim Cellar, 10214 SW Parkway, Portland, OR 97225	