

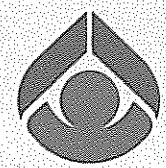
2 DAY
LOAN
ONLY

ANNUAL
REPORT

1987-88

NATIONAL SPORT INFORMATION CENTRE
AUSTRALIAN SPORTS COMMISSION
LEVEL 11
BRIDGE ROAD
SYDNEY

22 MAY 1989



AUSTRALIAN INSTITUTE OF SPORT

Department of the Arts, Sport, the Environment,
Tourism and Territories

**AUSTRALIAN INSTITUTE OF
SPORT
ANNUAL REPORT 1987-88**

Australian Government Publishing Service
Canberra

© Commonwealth of Australia 1988
ISSN 1032-6294

This work is copyright. Apart from any use as permitted under the *Copyright Act 1968*, no part may be reproduced by any process without written permission from the Director Publishing and Marketing AGPS. Inquiries should be directed to the Manager, GPO Box 84, AGPS Press, Canberra, ACT 2601.

Typeset in Australia by CPP Communications Ltd., Fyshwick A.C.T.
Printed in Australia by CPP Communications Ltd., Fyshwick A.C.T.

Contents

Letter to the Minister
Chairman's Report
Introduction

Section I — Review of Performance

Residential Sports Program	1
Sports Science and Medicine Centre	21
National Sports Information Centre	30
National Sports Program	32
Sports Talent Encouragement Plan	43
Marketing and Public Relations	44
Computer Services	47
Facilities	48

Section II — Operation and Administration

Organisation	52
Administration	58

Section III — Finance

Financial Reports	65
-------------------------	----

Appendixes

1. Scholarship holders 1987	90
2. Scholarship holders 1988	94
3. Sports Talent Encouragement Plan — Grant recipients 1988	98
4. Sports Talent Encouragement Plan — Coaches Assistance Grants 1988	101
5. Scholarships by age and sport as at 30 June 1988	103
6. Scholarships by sport and state as at 30 June 1988	104
7. Sports Science and Medicine Centre — Recent publications and references	105
8. Institute sponsors 1987-88	108
9. Friends of the Institute	109
10. Membership of the Board of the Australian Institute of Sport	111
11. Organisational structure as at 30 June 1988	112

Leverrier Crescent
BRUCE ACT 2617

Senator the Hon Graham Richardson
Minister for the Arts, Sport, the Environment
Tourism and Territories
Parliament House
CANBERRA ACT 2600

My dear Minister

I present the 1987-88 Annual Report of the Australian Institute of Sport.

The report has been prepared pursuant to section 63M(1) of the *Audit Act 1901* to which, by virtue of section 38(1) of the *Australian Institute of Sport Act 1986*, we are subject.

It provides a summary of the Institute's activities over the past twelve months and allows an assessment to be made of our overall performance against our objectives and functions.

The report describes the programs and activities we have undertaken during the year as our contribution to excellence in Australian sport.

Yours sincerely

John Bloomfield
Chairman
Australian Institute of Sport

Chairman's Report

There were a number of major government decisions made during the year affecting the Institute, which resulted in the strengthening and further coordination of Commonwealth assistance to sport in Australia.

In August 1987 the then Minister for the Arts, Sport, the Environment, Tourism and Territories, the Hon John Brown MP, announced that Commonwealth Government sports assistance would be streamlined by combining the Institute with the Australian Sports Commission, the latter body being allocated several of the sports functions for which the Department had been previously responsible.

In the interim, a joint Institute and Commission Board has been established with members being appointed to both the Institute Board and the Commission and with Mr Ted Harris and myself as co-chairmen. New legislation is to be introduced as soon as possible to enable one body to be established, with responsibilities for the programs of both the Institute and the Commission. This structural change will mean that in the future, one organisation will coordinate the Commonwealth's role in the development of Australian sport.

The Institute's own programs have continued to expand, with the cricket and cycling scholarship holders settling well into Adelaide. The latest residential sports program to be added is canoeing. This is currently based in Maroochydore in Queensland and early results indicate that it will be one of our more successful programs.

The National Sports Program continued in Canberra with twenty-five hundred athletes from forty-five sports utilising the excellent training facilities and support services.

One of the Institute's major roles this year has been to assist the Australian team organise and prepare for both the 1988 Winter Olympics held in Calgary in February and the 1988 Summer Olympics to be held in Seoul in September. The Institute has been the site of a number of Olympic selection trials and training camps, and through its formal agreement with the Australian Olympic Federation, has provided technical services and coaching assistance to many of our team members.

No report would be complete without thanking the many people who have made the Institute what it is today: first, the staff whose hard work and dedication are obvious to everyone who comes in contact with the institution; second, Ron Harvey, our Chief Executive, whose administrative ability has enabled the merger of the two bodies to occur smoothly. Finally, I extend my appreciation to my fellow Board members whose support and advice I have very much appreciated during the year.

In conclusion, I want to thank the previous Minister for the Arts, Sport, the Environment, Tourism and Territories, the Hon John Brown MP, for his very strong support since 1983 and also to welcome our new Minister, Senator Graham Richardson, to the sport portfolio.

John Bloomfield

Introduction

This is a statutory publication. In fulfilment of the requirements of the Audit Act as directed by the Institute's enabling legislation, the financial reports are here published and presented to the Minister and the Parliament of the Commonwealth of Australia.

As required by the provisions of the Freedom of Information Act, details of the operation and administration are also given here for public and parliamentary perusal. But above all, this is a public report on the performance of the Australian Institute of Sport for the financial year 1987-88.

Here then, is the report on the programs and efforts of the Institute over that year and on the performances of its athletes and those who assist them. This review is presented without embellishment. It is neither a promotional document nor a yearbook for Australian sport. Such material has been produced elsewhere.

Section I — Review of Performance

Residential Sports Program

The Australian Institute of Sport provides world class coaching and training facilities for the nation's high performance athletes in various Olympic and high profile sports. It opened with eight residential sports on Australia Day in 1981: basketball, gymnastics, netball, soccer, swimming, tennis, track and field, and weightlifting. Men's and women's field hockey was located in Perth in 1984 . . . the first Institute sport to be located outside Canberra.

In 1985, rowing and men's water polo started in Canberra while diving and squash began in Brisbane. In 1987, cycling was established in Adelaide and was joined by cricket in 1988. The first half of 1988 also saw the start of canoeing in Brisbane to be joined by rugby union in August. A weightlifting unit of the Canberra program operates in Melbourne.

A Satellite Coaching Program includes over fifty coaches who monitor potential Institute athletes and, in return, have access to the Institute's facilities and services. All residential sports are developing a network of coaches under the satellite program.

The Institute's sports programs are an extension of national sporting programs and have been developed in consultation with the national sporting organisations concerned.

There are three essential ingredients. One, that the elite arm of each sport is centralised at one venue. Two, that the program is residential and three, that training and coaching is intensive. The programs are thus part of an overall plan for each sport.

Residential sports fall into two categories. Those that deal with a talent pool of relatively younger athletes with the potential to represent Australia at the highest level are described as 'developmental' while those that gather together athletes of proven ability are classed as 'senior'. Often a sport possesses both characteristics.

Of the sixteen sports, five are considered developmental: basketball, cricket, netball, soccer and tennis. Five are considered senior: canoeing, cycling, hockey, swimming and water polo while the remaining six — diving, gymnastics, rowing, track and field, weightlifting and squash — have athletes who fall into both categories.

Scholarships to the Institute are awarded on the basis of sporting ability. Those selected have usually competed at state or national levels in their age group or in open competition. They receive full board and accommodation and various benefits to meet the cost of equipment, travelling, competition and education and they have easy access to training and support facilities such as sports medicine and science.

One stipulation of a scholarship is that the athlete be enrolled in a course of study or be employed in full or part-time work. Institute staff help scholarship holders in both of these areas.

The past year has seen a new development in the scholarship program with the awarding of the first scholarship to a disabled athlete — Russell Short in track and field.

Currently, almost three hundred athletes train under some fifty coaches. Complete lists of scholarship holders for the years 1987 and 1988 are contained in appendixes 1 and 2. Scholarships by sport and age are tabulated in appendix 5 while appendix 6 contains a breakdown of scholarships by state.

In the following pages, the residential sports report on their activities during the past financial year.

Track And Field

<i>Coordinator</i>	Peter Bowman
<i>Head Coach — Throws</i>	Merv Kemp (National Group Director — Throws and National Event Coach — Discus)
<i>Head Coach — Multiple Events, Hurdles and Racewalking</i>	Craig Hilliard (National Event Coach — Racewalking and 1988 Olympic Coach)
<i>Head Coach — Sprints, Middle Distance</i>	Norm Osborne (National Group Director — Sprints and Hurdles and National Event Coach 400m and 4 X 400m Relay)
<i>Head Coach — Long Distance</i>	Pat Clohessy (National Event Coach — Marathon and 1987 Australian Team Coach)
<i>Regional Coach (Melbourne)</i>	Efim Shuravetsky (National Event Coach — Steeple-chase, 1988 Australian World Junior Team Coach)
<i>Jumps Coach (Melbourne)</i>	John Boas (National Event Coach — Long Jump)
<i>Regional Coach (Adelaide)</i>	Fletcher McEwen (Head Olympic Coach)

The Institute's track and field coaches all hold important positions in the national coaching structure. Besides coaching their own athletes they guide and counsel athletes across the country and participate in coaching clinics and seminars. However, to develop fully track and field athletes around Australia, it is also necessary to have an effective network of coaches who work in tandem with the Institute's resident coaches.

In this regard fifteen coaches across Australia were selected as Institute coaches: Nancy Atterton, Colin Wright, and Mike Hurst in New South Wales; Sandro Bisetto, Tom Kelly, Bruce Walsh, Alan Barlow, Gus Puopolo and Chris Wardlow in Victoria; Alan Launder and John Daly in South Australia; Bill Larsen in Tasmania and Geoff Walker in Queensland. They coach Olympic and World Junior team members and receive assistance with expenses.

This year the first coaching scholarship was awarded to Ken Lorroway, former Olympian in triple jump and coach of the national triple jump champion, and Institute athlete, Peter Beames.

Ron Jensen, Multi-event Coach from the United States, made a substantial contribution when working with coaches and athletes for several months. Other visitors included athletes from countries such as Sweden, Finland, Norway, the United Kingdom and the United States. Italy's world 200m record holder, Pietro Mennea, was quoted in the foreign media as stating 'that the Institute is the best place in the world to train'.

During the year it was decided to redirect some existing resources to the States in order to create a meaningful national program. The first step was to decentralise certain members of the jump squad to Melbourne and Perth.

This year a working partnership was commenced with the South Australian Institute of Sport (SASI), whereby a full-time coaching position was established in Adelaide. Mr Fletcher McEwan, previously the AAU National Coaching Director was appointed as the Institute/SASI Regional Coach to support local high-performance athletes while working towards a network of coaches which will link up with the coaching staff in Canberra. SASI will also provide back-up facilities and resources.

To help recreate the athletic buzz that existed about Melbourne's famous Olympic Park in the 1950s and 1960s it was decided to establish an Institute presence by appointing the highly qualified National Event Coach, Efim Shuravetsky, as Regional Coach. This ambitious venture was successfully launched with the cooperation of the Victorian Athletic Association and the Olympic Park Trust. This initiative was greatly enhanced by a joint venture between the Institute and the Victorian Department of Sport and Recreation which will finance a program to assist the high performance coaches and athletes in the major regions of Victoria, such as Ballarat and Bendigo, and link them to Olympic Park.

Of the thirty-two athletes on scholarship in 1987-88, fifteen were national champions and most competed in a number of international meets during the year.

Ten Institute athletes were selected for the 159-nation 1987 World Championships held in Rome. They were: Andrew Lloyd (10,000m), Don Wright (110m hurdles), Ken Gordon (400m hurdles), Simon Baker (20km walk), David Smith (20km walk), Krishna Wood (3000m), Nicole Boegman (long jump), Jane Flemming (heptathlon), Kerry Saxby (10km walk) and Sue Cook (10km walk). The most successful athletes were Kerry Saxby who won a silver medal in the 10km walk, Jane Flemming tenth in the heptathlon, Nicole Boegman who was placed eighth in the long jump, and Andrew Jachno who was placed twelfth in the 20km walk.

For the 110-nation 1987 World Student Games in Zagreb, Yugoslavia, twelve Institute athletes were selected for the Australian Universiade Team. The most successful were David Culbert in making the final of the long jump and Andrew Jachno, fourth in the final of the 20km walk. Merv Kemp was the coach and Peter Bowman manager and an appointed member of the Jury of Appeal.

An under 23 throwing team, made up of the best throwers in Australia, competed in New Zealand. The team comprising three scholarship and eight associate scholarship holders was organised and financed by the Institute and managed by Institute coach Merv Kemp.

The Institute also conducted two athletics meets that are now on the Australian Athletic Union calendar. Both the Coca-Cola Distance Meet and the Seiko Invitational Classic, which attracted 3600 spectators, drew quality fields including many overseas athletes. Both meets were successful due to organisation by Meet Director, Brian Carmen, and the cooperation of the ACT Athletic Association.

One of the year's most outstanding athletes was again the race walker, Kerry Saxby. Kerry's current world records are 20m 45s in the 5km walk, set at the National Championships in Perth, 42m 15s in the 10km walk at the Seiko Meet in Canberra, and 89m 40s in the 20km walk set in Sweden. Kerry also finished

second in the 10km walk in the 1987 World Championships. The year also saw heptathlete Jane Flemming achieve a world ranking of fifth.

The Gary Knoke memorial scholarship, in memory of a great athlete and Institute coach, went to Kim Wilson who was the 1987 Australian junior 100m and 100m hurdles champion. The scholarship is awarded each year to an athlete in the under 20 category who shows great potential in either sprints or hurdles. The 1985 recipient — Miles Murphy the national 400m champion — was selected for Seoul.

Joining Miles in the 1988 Olympic track and field team were the following athletes from the Institute:

Nicole Boegman	<i>long jump</i>
Vanessa Browne	<i>high jump</i>
David Culbert	<i>long jump</i>
Jane Flemming	<i>heptathlon and 100m hurdles</i>
Gary Honey	<i>long jump</i>
Andrew Lloyd	<i>10 000m</i>
Andrew Jachno	<i>20km and 50km walk</i>
Simon Baker	<i>20km and 50km walk</i>
Sally Fleming	<i>400m hurdles</i>
Carolyn Schuwallow	<i>10 000m</i>

The Institute also provides assistance to other high performance athletes throughout Australia with competition travel, sports medicine, sports science and accommodation/training facilities. Olympic athletes given assistance this year were:

Darren Clark	<i>400m</i>
Debbie Flintoff-King	<i>400m hurdles</i>
Lisa Martin	<i>marathon</i>
Robert de Castella	<i>marathon</i>
Michael Hillardt	<i>1500m</i>
Maree Holland	<i>400m</i>
Stephen Moneghetti	<i>10 000 and marathon</i>
Jackie Perkins	<i>3000m and 10 000m</i>
Brad Camp	<i>marathon</i>

Olympic athletes previously on full scholarship were: Pat Scammell (1500m), Jenny Laurendet (400m hurdles) and Miles Murphy (400m). Institute coaches Craig Hilliard and Fletcher McEwen were selected as Olympic coaches for Seoul.

Finally, the Institute's track and field program is extremely grateful to the Australian Meat and Live-stock Corporation and Adidas for their major sponsorship, and to Rexona for its grant to assist the development of female middle and long distance runners. The track and field meets were a huge success due to Seiko, the Australia Day Sports Committee and Coca-Cola.

Basketball

<i>Head Coach</i>	Dr Adrian Hurley
<i>Coaches</i>	Patrick Hunt
	Jenny Cheesman
	Phil Smyth
	Phil Brown (part-time)

The year has been a highly successful one for the Institute's Basketball program.

In July 1987 Australia recorded its best ever result at a Junior World Championship when its men's team finished fifth. A difficult draw militated against an even better placing though in achieving this result Australia defeated the USSR and lost to the USA by only four points. The team was coached by Institute coach Patrick Hunt and eleven of the twelve players were Institute members. This illustrates the value of preparing a team over four years at the Institute.

Five Institute athletes also represented Australia at the senior level. Previously the only athlete to do this was Sue Geh, a senior. In this case, the five representatives were all juniors at the time. They were Shelley Gorman (17), Sandy Brondello (18), Fiona Robinson (17), Mark Bradtke (18) and Andrew Vlahov (18).

Seven were selected for the Australian senior women's squad. They were Shelley Gorman, Sandy Brondello, Fiona Robinson, Anne Robilliard, Nina Cass, Joanne Moyle and Jenny Reisener.

Institute players also fared well in the Olympic selections. Andrew Vlahov, Mark Bradtke and Lucien Longley were selected for the Australian Men's Team. Former Institute athletes Mark Dalton, David Graham and Peter Wain also made the Olympic Squad.

While Sandy Brondello and Shelley Gorman were selected for the Women's team along with former Institute athletes Donna Brown and Debbie Slimmon. Jo Moyle and Anne Robilliard were in the final squad.

In league competition, the 1987 AIS Women's Team finished fifth in the National League and fifth in the Australian Club Championships. A good result for a junior team whose numbers were depleted by players fulfilling representative commitments elsewhere. The Mens' Team performed well in the South Eastern Basketball League but it too was denied a finals play-off also due primarily to the representative commitments of players.

The 1987 Women's Conference team came equal third in the Conference and were put out of the finals on percentages. With the reduction of scholarships in 1988 the Institute did not field a team in the 1988 Conference.

Internationally, the Women's Team recorded a nine-win two-loss scorecard against top American college teams including the National Champions, University of Tennessee, during a November tour of the U.S.A.

During the year, the Institute's Basketball teams again enjoyed an outstanding sponsorship with Puma Australia which has sponsored the program since its inception in 1981.

In 1988, the program also secured the sponsorship from the The Drug Offensive — the National Campaign Against Drug Abuse. The first half of the year saw basketball clinics and drug education sessions being held in Adelaide, Brisbane, Sydney and at the World Expo in Brisbane.

The Basketball program relies upon the continuing support of the State Associations, the Clubs and their coaches, the satellite coaches, and the parents and coaches of the athletes. The programs success is their success. Special thanks are due to Bob Staunton and the Australian Basketball Federation for another outstanding year of support and cooperation.

Canoeing

Head Coach Brian Trouville

The acceptance of canoeing into the Institute's residential sports program was announced in January 1988 by the Institute and the Australian Canoe Federation. The programs immediate aim was to prepare athletes for the Seoul

Olympics. An initial squad of six began training in Maroochydore in Queensland under national coach Brian Trouville.

Following the National Championships and Olympic Trials at Lake Macquarie, New South Wales, where the squad won four of the six finals, the eight athletes selected for the Olympic team assembled in Queensland. Paul Gilmour, Grant Kenny, Bryan Thomas and Steve Wood from the initial Institute squad were joined by Peter Foster, Kelvin Graham, Martin Hunter and Grant Davies.

After an intensive training program developed with the assistance of the University of Queensland's exercise physiologist, Enid Ginn, the squad headed for pre-Olympic competition in France, the Federal Republic of Germany and the German Democratic Republic.

The future of the Canoeing unit will be assessed at the conclusion of the current program.

Cricket

Head Coach Jack Potter
Assistant Coach Peter Spence

Scholarship holders arrived in Adelaide on 5 April 1988 to take part in the first year of the Australian Institute of Sport/Commonwealth Bank Cricket Academy program. Many of the fifteen full-time, one associate and one part-time scholarship holders, were in Australia's successful Youth World Cup team that competed against all the other cricketing nations in February and March.

Since arriving the players have been drafted to Adelaide District clubs, allowing provision for them to play Sheffield Shield should they gain selection. Accommodation for the first year has been provided by St Mark's College. Facilities at the Adelaide Oval are nearing completion and sports science support is being provided by the South Australian Sports Institute.

The first three months were spent on fitness, technique and psychological training in preparation for a series of matches in Queensland in July marking the build-up to the start of the cricket season in October.

Cycling

Head Coach Charlie Walsh
Apprentice Coach Shayne Bannon

The cycling unit in Adelaide aims to maintain and build upon its current world rankings and to establish the best training and development program in the cycling world. Accommodation, sports science and medicine and other support services have been provided to this end. The national and Olympic coach Charlie Walsh has been appointed full-time and apprentice coach Shayne Bannon was appointed Olympic road coach.

The first full year of the program has now been completed with fourteen scholarship holders. National Sports Program training camps were held in Adelaide for juniors and seniors in both track and road cycling with overseas and Australian athletes and coaches taking part. The visitors included the Italian and Japanese national track teams and world champion time-trial rider Martin Vinnicombe.

After the National Championships in March, the 1988 Olympic track team was announced. Included in the team were current Institute scholarship holders Robert Burns, Brett Dutton, Wayne McCarney, Steve McGlede, Scott McGrory,

Dean Woods, and Gary Neiwand. Institute associate Martin Vinnicombe and ex-scholarship holder Anthony Davis were also named. The National Junior team was also selected and Mark Kingsland, the Cycling Unit's only junior, was named.

On 1 July the Australian Cycling federation named the seven strong road cycle Olympic team. Scholarship holders Donna Gould and Bruce Keech were included in the team.

After a successful tour of Italy in April and May the Unit settled down to prepare for the Seoul Olympics.

Diving

Head Coach Bruce Prance
Coach Steve Foley
Apprentice Coach Valerie Beddoe

The diving unit had an extremely busy year. From July to December 1987 divers competed on the European circuit, in the World Student Games in Zagreb, Yugoslavia, the Winter Nationals in Melbourne, the World Age Group Championships in Germany and associated lead-up meets, and the Sun Life International in London. Val Beddoe retired following the European tour, but was retained by the Unit as a scholarship coach.

In January senior Institute divers performed well in the three Southern Cross Circuit meets in New Zealand and Australia as did both age-grouped and open divers in the various State Championships held in February and March.

Following the National Championships in Brisbane in April, Institute divers Julie Kent, Graeme Banks, Russell Butler and Craig Rogerson, together with Institute head coach Bruce Prance were selected for the Seoul Olympics. These divers took part in the Can-Am Tour in North America against competition of Olympic standard. Most reached the finals in Canada though narrowly missing out in the United States.

A comprehensive program is now in place which, besides normal water and land apparatus training, includes ballet, gymnasium fitness and strength training, testing and monitoring, dietary advice and maintenance, psychological training, medical and physiotherapy support.

Queensland University, through Enid Ginn, continues to provide sports science support, while the Brisbane City Council provides the use of the world-class diving pool and weights gymnasium at the Chandler Aquatic Centre.

A first this year was the signing of a combined Australian Institute of Sport-Australian Diving Association sponsorship with Drake Personnel. Speedo continues as a valued sponsor of equipment.

Nathan Meade (26 July 1966 – 22 October 1987) — A Tribute

Nathan Meade's death due to an accident during diving training was a tragedy felt by all at the Australian Institute of Sport.

During the term of his diving scholarship, we saw Nathan grow in confidence as he vigorously pursued his personal goals. His dedication to his chosen sport was an extension of his particular drive and enthusiasm to do everything he attempted excellently.

We admired Nathan because he was totally committed to achieving success in the sport of diving and sought advice and assistance that would enable him to achieve his ultimate performance.

His level of commitment, honesty and dedication is an excellent example to all young people, particularly his fellow athletes at the Institute. It is not easy

for them to reject the temptations of the easy life offered by today's society. The fact that Nathan was able to enthusiastically commit himself to a totally disciplined lifestyle speaks a great deal about his personal courage and the supportive atmosphere in which he lived.

Nathan's death shocked us all. We were saddened deeply by it. We will, however, always be able to think of him with pride and hold the memory of him in our hearts. His courage and dedication will remain a shining example to young athletes for years to come.

Gymnastics

Men's Artistic Gymnastics:

Head Coach Warwick Forbes
First Assistant Coach Tian Weishun
Second Assistant Coach John Curtin

Women's Artistic Gymnastics:

Head Coach Tian Ju Ping
First Assistant Coach Mark Calton
Second Assistant Coach Kazuya Honda (till December 1987)
Choreographer Stephanie Burridge (part-time)

As the elite arm of the Australian Gymnastic Federation the Institute gymnastics program conducts elite junior and senior training, junior development camps and coaching clinics all aimed at raising the international ranking of Australian gymnastic teams and individuals.

The program has enabled Australian gymnasts to become internationally competitive and this effort, which started taking shape in 1984 and saw Institute athletes winning international medals in 1986, culminated in the past year with Australia's first gold medal. Ken Meredith won the all-round gold medal, and the gold medal in the floor exercise, at the Czechoslovakian International.

Monique Allen also distinguished herself taking fifth place in the all-round and bronze in the floor exercise at the Bulgarian Golden Sands International, third all-round and third in the floor exercises at the Australian Cup and third in the floor exercises at the China Cup.

The program's structure remains unchanged since 1986. In the men's program, the head coach instructs international senior gymnasts, while the first assistant and second assistant train the international and junior development gymnasts respectively. In the women's, the head coach and first assistant train the international gymnasts and the second assistant coaches the junior development squad.

The highlight of the gymnastics calendar in the last year was the October 1987 World Championships in Rotterdam — the qualifying competition for the Seoul Olympics. In both the Australian men's and women's team six of the seven members were from the Institute.

Unfortunately, Robert Edmonds, a 1984 Olympian, was injured a week before the competition and had to withdraw. A similar fate befell Debbie Graham, the 1984 national champion who withdrew ill after arriving in Holland.

Despite these setbacks the teams performed confidently. After an uneven start in the compulsory round, the men's team were outstanding in the optional routines the next day. Though improving twelve points upon their last World Championships, they were forced from nineteenth to twentieth place by strong Romanian and Czechoslovakian teams. Nevertheless, Australia was the third most improved nation of the competition.

The women's team, under the guidance of Institute coaches Tian Ju Ping and Mark Calton, produced the best ever results for an Australian women's team and though proving themselves against the West European nations they narrowly missed qualifying for Seoul. Monique Allen scored thirty-eight points and was ranked sixty-second — the highest score and ranking yet achieved by an Australian female gymnast.

In March, twelve nations competed in the Konica Bicentennial Cup in Sydney. The most outstanding Australian performance was Monique Allen's third to the Soviet and Chinese gymnasts in the all-round. Institute athletes also fared well on the apparatus. Kelly Larter took a silver on the bars and Katie Watts a silver on the vault. In the men's, Ken Meredith won a bronze on the floor and was placed seventh in the all-round. Grant Carlyon demonstrated his power when winning silver in the vault.

Kelly Larter and Katie Watts went on to partake in the prestigious Moscow News competition.

In May and June, the three Institute athletes selected for Seoul toured Eastern Europe as part of their Olympic preparation.

In the first competition, the Czechoslovakia International in Vitkovice, Ken Meredith performed consistently and cleanly on each apparatus to be equal first with a Romanian gymnast on 56.05 points — Australia's first gold medal in all-round competition. Monique Allen and Leanne Rycroft came sixth in all-round competition and performed confidently in the finals. Ken went on to score 9.7 in the floor exercise and take the gold medal.

Further competition in the Liberation Cup in Kosice, Czechoslovakia, saw Monique Allen come sixth in the all-round while Ken Meredith won bronze in the floor exercise.

At the Golden Sands International in Bulgaria, Monique Allen's excellent all-round performance placed her fifth behind the Bulgarians and Soviets while taking third in the floor exercises.

In May, Institute gymnasts Grant Carlyon, the Olympic reserve, Monique Allen and Leanne Rycroft participated in the China Cup. Monique placed seventh in the all-round and took the bronze in the floor exercises. Grant performed at a good level and Leanne made the bar finals.

At the National Championships held in Perth in September 1987, Institute athletes again prevailed. In the men's level ten international, Ken Meredith, Shaw Bing and Tim Lees came first, second and third. Grant Carlyon, Robert Edmonds and Mark Bird did not complete the competition due to injury. In level eight, juniors Brennon Dowrick, Peter Hogan and Damian Smith won the first three places. Brennon scored a superb 9.8 on the horizontal bar.

In the women's, the Institute was only represented in the international stream. Kelly Larter finished first while Monique Allen and Carolyn Stewart took second and third. Debbie Graham and Leanne Rycroft were injured before they could complete the competition.

On the development and coaching side of Australian gymnastics, the Institute and Australian Gymnastics Federation (AGF) once again conducted the junior National Training Camp for thirty-five boys at the Institute in Canberra. Before the camp itself, Warwick Forbes and new assistant coach, Tian Weishun, conducted a week long clinic which introduced fourteen of the country's men's and junior boy's developmental coaches to the latest techniques from overseas. Such clinics will standardise fundamental skills and help state and club coaches understand the Institute and Federation's development of the sport.

Sub-junior clinics were also organised in school holidays by women's head coach Tian Ju Ping in a move designed to help gymnasts likely to make the 1992 Olympic team but, at this stage, are too young to attend the Institute. Almost seventy gymnasts and their coaches attended the first week which by the second week had been trimmed to the best fifteen girls. They received intensive training while their coaches were addressed on the development of the sport.

Three Institute gymnasts participated in the junior National Championships in Sydney. Twelve year old Nathan Kingston improved dramatically upon the previous year and came fourth in the under 14s. He will develop into a fine senior gymnast. In the under 16s, Andre Cleland came first and demonstrated for the first time that juniors can master some of the more difficult senior elements. Steven Mommsen took second place and also executed difficult elements such as a double lay out dismount off the horizontal bar. These boys provide an important model for others throughout Australia.

During the year in review, the Victorian gymnastic coach, Fiona Bird attended the Institute for two weeks under the Institute/AGF Apprentice Scheme which allows successful young coaches the opportunity to work with Institute coaches and gymnasts.

Unfortunately, the year also saw the termination of the rhythmic gymnastics program in Sydney due to limited funds. Coach Illeana Vogelaar, who resigned in November, had helped make New South Wales the home of rhythmic gymnastics.

In summary, the gymnasts in the men's and women's programs are at varying stages of development. Having mastered the basic routines, the junior boys have moved onto the difficult skills while the junior girls are preparing for the next Olympic cycle.

Australia has moved steadily upwards in international gymnastics as witnessed by the success this year of Ken Meredith, Monique Allen and Leanne Rycroft. For this to continue community and government support must match the dedication of gymnasts, coaches and officials.

Women's Hockey

Head Coach Brian Glencross
Assistant Coach Pam Glossop
Scholarship Coach Peter Freitag

The program and Australian women's hockey in general has had a very successful year, winning in international competition.

In October 1987, the Australian team played in a three nation series against Korea (ranked three for the 1988 Olympics) and the United States of America (ranked five). The series, which took place in Seoul, was won by Australia and provided the valuable experience of playing at the Olympic venue.

The Institute's contribution to the team was considerable. Eight members were full-time scholarship holders and four were holders of associate scholarships. After the tournament the Institute players not in the Australian team joined with their compatriots to play five games against strong local sides.

In March 1988, Australia hosted the Esanda Bicentennial Six Nation Tournament in Perth. Five of these nations, including world-ranked number one, the Netherlands, will compete in Seoul. Australia took the gold medal when they defeated the Dutch on the final day of the play. Twenty-three of the twenty-four players in the squad had either full-time, associate or visiting scholarships at the Institute and had been based in Perth for the six weeks prior to the Tournament.

Following the Esanda Australian Championships played in Canberra in May, the Olympic selections were announced. Fourteen of the sixteen players chosen had an affiliation, either past or present, with the Institute. These were Kathy Partridge, Liane Tooth, Kim Small and Loretta Dorman from New South Wales, Lorraine Hillas, Michelle Capes, Sharon Patmore, Lee Capes, Jackie Pereira, Rechelle Hawkes and Sally Carbon from Western Australia, Tracey Belbin and Debbie Bowman from Queensland and Maree Fish from Tasmania. The six train-on players named in case of injury included three Institute players, Chris Dobson, Cheryl Moss and Clare Prideaux.

The Unit's 1988 intake is a balance of experience and youth. Ten full-time and six associated scholarships were awarded. Recipients included Kathy Partridge and Liane Tooth returning for their fifth year, and Debbie Bowman the Australian captain.

Visiting scholarships are an important aspect of the Hockey program. Players are brought into the Institute environment for periods ranging from a week to ten days. This year such scholarships were awarded to both talented young players and senior players who require intensive training before competition. Recipients of ANZ and Esanda Scholarships must come to the Institute for one week as part of their funding.

Another important part of the Unit's development is the Esanda/Western Underwriters Midweek Competition which sees the Institute pitted against local first division clubs. Coaches can assess their players in various game situations while allowing them to experiment with style.

With the full cooperation of the Australian Women's Hockey Association, the women's hockey program is operating successfully and the quest for success in Seoul in 1988 and Ottawa in 1989 for the Junior World Cup is looking bright.

These goals would be more difficult to attain without the help of the program's sponsors: Esanda, Western Underwriters, Kookaburra and Merco.

Men's Hockey

Head Coach Richard Aggiss
Coach Terry Walsh
Scholarship Coach Frank Murray

This year's program has seen further steps in the structured approach the Australian Hockey Association has taken in the key areas of talent identification and satellite coaches. Since 1984 the satellite coaching program for hockey has been voluntary. Over thirty dedicated coaches and former top-class players have acted as talent spotters across the country and through their coaching endeavours contributed a great deal to the game.

The evolution of hockey development is reflected in the appointment of a national junior selector — John McKinnon — with the sole responsibility of developing players in the under 17 age group. Players are selected following the annual Australian talent camp, which was held in Canberra in January, and the annual under 17 talent camp held in June after the Esanda under 17 national championships. Players are awarded eight Esanda, three ANZ and other visiting scholarships to the Institute's hockey unit in Perth.

Running in tandem with the Olympic program is the build-up to the junior World Cup in August 1989. The Institute's hockey program is the driving force behind this and the 1988 scholarship intake focused on the post-Seoul period in Australian hockey. With Australia's under 21 coach, Frank Murray, working closely with the Institute, the search for the best sixteen players in that age group will intensify throughout late 1988 and early 1989.

An initial step in this quest was taken when the young Institute team toured New Zealand in November 1987. They scored successive victories over New Zealand under 21 and a morale boosting win over New Zealand's national team.

Olympic selections were announced following the Esanda National Championships in May. Of the sixteen players, eleven were current or former scholarship holders. They were Neil Snowden, Peter Noel, John Bestall, Ken Wark, Warren Birmingham, David Wansbrough, Dean Evans, Andrew Deane, Graham Reid, Grant Mitton and Mark Hager. Richard Aggis is the Australian coach.

The program is indebted to its sponsors, particularly Esanda and Western Underwriters.

Netball

Head Coach Wilma Shakespear
Coaches Gaye Teede
Sue Hawkins

The Institute's netball squad aims to recruit members who have the potential to become national representative players. Selected following completion of their secondary schooling, the current squad focuses on the national under 21 level.

There are 18 full-time scholarship holders resident in Canberra. Short-term visiting scholarships have been developed for those who cannot relocate to Canberra and for current national level players who wish to maintain and improve their technique.

The Institute contributes to the development of Australian netball by providing facilities, personnel and expertise for a variety of programs which include training camps and usage of the facilities for the National Open and under 21 squads, and National Talent Identification Squad programs for under 19 and under 17.

A satellite coaching program has been established with South Australia, Queensland and the ACT participating this year. Six short-term visits were offered to state level coaches to attend the Institute to update their coaching knowledge.

At the conclusion of the 1987 scholarship year the most successful players were selected to compete in three competitions held back to back:

- Perth, where the Institute defeated the WA Institute of Sport and local champion club Royals;
- Sydney, where the initial 'New Fashioned Pork Trans Tasman Netball Tournament' — an annual three-test series against New Zealand Young Internationals — was played at Sutherland. The Institute won all three matches; and
- England, where the Institute was undefeated in an eight match series the highlight of which was an impressive win over the National under 21 Squad.

The major domestic competition, the Esso Super League, saw the young Institute team go down by only one goal in the final against Melbourne Blue. This was the only defeat the Institute has suffered since the start of the three year old competition, a most impressive record.

At the state level as at the national level, the influence of the Institute is strong. The team which competed at the World Tournament in Glasgow had ten current or former scholarship holders, the current team has seven, whilst the National Under 21 team has nine. The top ranked state Open teams, New South Wales and Victoria, are dominated by players with an Institute background.

The Institute Open and under 21 teams competed in both the New South Wales State League and the ACT Interdistrict competition during the winter season, 1988. The Institute netball squad is indebted to both Associations for their willingness to accommodate its needs.

The National Association and its State member organisations work closely with the Institute. The program is indebted to sponsors Johnson & Johnson, Dunlop Footwear, Mitre Sports Balls and New Fashioned Pork.

Rowing

Head Coach Reinhold Batschi
Coaches Robert Marlow
Peter Shakespear
Apprentice Coaches Paul McGann
Sam Carroll

Rowing scholarships are held from October through to September of the following year and 1987 scholarship holders were involved with representative honours during August and September of that year.

Fourteen of the twenty six Institute rowers competed in the Australian Senior A and Senior B teams at the World Championships in Copenhagen in August. The Australian men's eight, coached by the Institute's Head Coach Reinhold Batschi, included Mal Batten and Andrew Cooper and finished a creditable fourth. The Australian women's four was an all Institute affair, coached by Peter Shakespear and made up of Kaylynn Jorgensen-Fry, Urszula Kay, Deborah Basset, Felicity McCall and Rachael McInnes, finished seventh. Other representatives were Richard Powell in the double scull, Richard Graham, Hamish McLachlan, James Galloway, Nicholas Sellars in the men's coxed four, Peter Tomanovits in the pair and Andrew Cox in the lightweight eight.

A further seven Institute rowers were involved with the Australian under 23, or Senior B team, in New Zealand. Institute coach, Bob Marlow, was assisted by former Institute apprentice coaches Ellen Randell and Marty Aitken.

The 1988 scholarship year commenced in October 1987 only weeks after the former scholarship holders finalised their representative competitions. The new group faced the challenge of the Olympic year realising that selection in the Australian team is in itself an achievement of excellence with Australia defending a silver medal in the quad sculls and a bronze in the eights from the 1984 Olympics and gold for the World Championship eights in 1986. Selection regattas were held in Adelaide, Ballarat and Penrith followed by the National Championships — the fourth and final regatta — at Penrith in April.

In the world-class men's field, Institute fours were consistently in the top six in the regattas and won the coxless four at the Championships. They also produced three of the six finalists in the pairs. The scullers were led by Brenton Terrell who won the interstate sculling race and among the leading performances in the Senior B field, Dean Watts was prominent. The Senior women also dominated their selection races when they won the pairs and fours in all the lead-up regattas and claimed the fours and eights titles at the Championships.

The National Championships also saw the first promising results of a new effort to broaden the quality base of Australian women's rowing. Five schoolgirls had been chosen in December, with the help of physiologist Dr Alan Hahn, to train on full scholarships through the selection period. The crew of Georgia Green, Courtney Johnstone, Fleur Spriggs, Gabrielle Menzies and Celia Patterson, which is coached by Peter Shakespear, outclassed their field when

they finished first and second in the junior pairs and first in the fours by the largest winning margin of the regatta. Consequently, they earned the right to represent Australia in the World Junior Rowing titles in Milan in August 1988.

Olympic berths were awarded for a men's eight and men's quad scull. Along with Head Coach Reinhold Batschi, Mal Batten, David Fogarty, James Galloway and Hamish McLachlan were chosen for the squad of ten for the men's eight and reserve pair. This group was joined by the remaining crew members to train at the Institute in Canberra before Seoul. Brenton Terrell from the Institute's sculling squad moved to Melbourne as a member of the Olympic quad scull based in Victoria.

The four selection regattas and later team trials saw Kate Dearden, David McLeod, Nick Sellars, Dean Watts and Alison Worth chosen for the Australian 1988 under 23, or Senior B, team.

A further selection of Gordon Marcks in a development eight to tour the United States gives the Institute sixteen Australian representatives from a total of twenty-six.

On the coaching side, the rowing program's apprentice coach scheme has been showing quick returns with each of the six month apprentice coach positions providing top level experience to enable participants to progress to international positions. In August, the then apprentice coach, Paul McGann, directed the Australian coxed four at the Copenhagen World Championships.

New apprentice coach, Peter Lanigan started in May and is looking to extend his experience as the young coach who guided the Australian junior men's pair to fourth place in the 1987 World Championships.

Soccer

Head coach Ron Smith
Coach Gary Cole
Goalkeeper coach Anthony Franklin

The 1987 season of domestic competition was, for the Institute soccer squad, the most successful to date. The transition from youth league to competition against the Victorian State League teams gave the program greater credence and provided players with a greater challenge.

As one of the Institute's objectives is to develop players for the National Youth Team good senior opposition is vital. The 'Challenge' series against the Victorian clubs brought out the squad's best in winning twenty-three of the thirty matches. The exciting games, play of high standard, and good media coverage boosted home game attendance to an average of five hundred spectators.

The team has been playing a similar competition in 1988 with the New South Wales State League clubs and of the fourteen matches played to date six have been won, three drawn and five lost. Unfortunately, all matches were played in Sydney on a mid-week basis.

In January 1987 the Australian Youth Team won the Oceania qualifying tournament in New Zealand and in October played in the Youth World Cup finals in Chile. The team was eliminated from the tournament after beating Togo and losing to Chile and the eventual winners Yugoslavia. Team members with an Institute background were David Healy, Anthony Grbac, Paul Trimboli from Victoria, Lou Hristodoulou from South Australia, George Kulcsar from the ACT, Jason Polak and John Koch from Queensland, Kurt Reynolds (captain) from Tasmania, Alex Cummings and Alistair Edwards from Western Australia, and Jason Van Blerk and Darren Northham from New South Wales.

In July 1987 the Australian Under 16 team played in the World Cup Finals in Canada. Team members Dominic Longo (captain), Greg Mills and Steve Horvat were Institute scholarship holders at the time while team-mates Stephen Jee and Greg Dickinson have since joined.

In November 1987 the second part of the Australian Soccer Federation's Level 4 Coaching Course for selected National League and State League coaches was held at the Institute of Sport in Canberra. Guest lecturer, Tony Waiters, who played for Blackpool and England before coaching at club level in England and Canada and who coached the Canadian team that qualified for the Los Angeles Olympics and the 1986 FIFA World Cup Finals in Mexico, also spent one week working with the Institute's players.

The Soccer Awards ending the 1987 season featured several former scholarship holders of the Institute. In the New South Wales State League Alan Reis was named top goal scorer and Rothman's Gold Medal Winner, while in the West End National Soccer League Player Awards, Frank Farina was named top goal scorer and Player of the Year and Paul Trimboli Under 21 Player of the Year. The New South Wales Australian Soccer Press Writers Awards saw Kurt Reynolds receive Under 21 Player of the Year in the New South Wales State League and Robert Hooker the Under 21 Player of the Year in the West End NSL.

The Institute squad was supported by Adidas which supplied all clothing and footwear. Similarly Mitre provided the valuable multiplex soccer balls and accessories while Dafco Chant supplied the goalkeepers with the excellent Reusch clothing and gloves.

Thanks also go to Satellite coaches — Tim White, Dave Smith, Ken Morton, Mike Wells, Alan Vest, Ken Kaiser, Bruce Stowell, Mark Brogan and John Ward — who help in the selection and recruitment of players.

The Institute's goalkeeping coach, Anthony Franken, leaves to play with Sydney Croatia. One of the best keepers in the country, Anthony has been at the Institute since 1982 and a coach since 1985 and is responsible for the high goalkeeping standard of graduates over the last four years.

Squash

Head Coach Geoff Hunt
Coach Heather McKay
Assistant Coach Jeff Wollstein

Building on four years of experience and the valuable input of sports science, the Squash program in Brisbane is now making itself felt in the international arena.

While Rodney Martin, who has attained a world ranking of number four and reached the final of the British Open, is the program's outstanding member, other players are also making an impact. Michelle Martin, Sarah Fitzgerald and Danielle Drady are all in the top twelve in the women's world open rankings. Rodney Eyles is also making steady progress and has reached the top sixteen in the men's open ranks.

Players have also been successful at the World Junior Championships. Sarah Fitzgerald won the World Junior title while Australia won the World Junior Men's Championship. Institute players have also continued to do well in Australia with wins in the State Open, State Junior and Australian Junior titles.

The program now comprises a good cross section of ages and standards from fourteen year old Joseph Kneipp through to Rodney Martin.

Swimming

Head coach	Bill Sweetenham
Senior Coach (Men)	Terry Gathercole
Senior Coach (Women)	Bernie Mulroy
Coach	Judy Hudson

The Institute's swimming program aims to promote excellence in swimming and career and to foster individual and national pride. In 1987, twenty-four men and thirteen women were on scholarship and the team fulfilled these expectations by attaining sixteen world ranked performances, thirty-seven international gold medals and seventeen national level records. This achievement was not only the result of the Institute's own program, but also of the continued support and contribution of the summer coaches. Similarly, the program extended its assistance to swimmers, coaches and administrators from the swimming fraternity outside the Institute.

For the swimming program the year in review began with two successful relay record attempts (4x100 medley relay and the 4x200 freestyle relay) in June by the women's team. International competition started with the World Student Games in July and ended with the Florida Mission Bay International in May 1988.

The World Student Games held in Yugoslavia in July saw Rob Woodhouse as flag bearer and Australian team captain. Rob won the 400 metre individual medley and came second in the 200 metre individual medley. Paul Lee, a finalist in the 200 and 400 metre individual medley, Jenny Messenger, a finalist in the 100 and 200 metre freestyle, and Audrey Moore were also representatives.

In the Pan Pacific Games Trials held in Brisbane in July, the team won ten gold, twelve silver and thirteen bronze medals. Donna Procter swam a new Australian Open record in the 400 metre individual medley. During the trials many personal bests were swum and fourteen Institute swimmers were included in the thirty-two member Australian Team.

On August 8, six Institute and ten '1992 Barcelona bound' swimmers from Queensland attended the Trans Tasman Meet in Wellington New Zealand. The team won all but four of the twenty events.

The Nikon Pan Pacific Games were held in Brisbane from August 13 to 16. On his way to winning the 1500 metre freestyle and setting a new Australian record, Michael McKenzie recorded a Commonwealth and Australian record for the 800 metre freestyle. Rob Woodhouse and Donna Procter both broke the Australian records in the 400 metre individual medley.

Medal winners from the Institute were Michael McKenzie (gold, 1500 metre freestyle), Rob Woodhouse (silver, 400 metre individual medley), Pippa Downes (silver, 4x200 metre freestyle relay), Martin Roberts (silver, 4x200 freestyle relay and bronze, 4x100 freestyle relay), Scott Hamlet (silver, 4x200 freestyle relay), David Wilson (bronze, 200 metre butterfly), Rod Lawson (bronze, 100 metre breaststroke and bronze, 4x100 medley relay), Donna Procter (bronze, 400 metre individual medley and 800 metre freestyle), Jacki Grant (bronze, 4x100 freestyle), and Dominic Sheldrick (bronze, 4x100 freestyle relay).

At the Australian Short Course Championships held late September in Melbourne, Australian records were broken by Donna Procter in the 1500 metre freestyle and 400 metre individual medley, Rob Woodhouse in the 200 and 400 metre individual medley and Michael Mackenzie in the 1500 metre freestyle.

The team competed unshaved and untapered and still hauled in twelve gold, sixteen silver and thirteen bronze medals.

In October the 4x100 metre freestyle relay National Short Course record was broken by Gary Lord, Martin Roberts, Dominic Sheldrick and Mark Stockwell.

The Uncle Toby's International Swim Challenge in January 1988 pitted swimmers from Europe against Australia in a series of three meets over two days each at Perth, Adelaide and the Institute in Canberra. Simon Upton swam personal bests in the 100 metre backstroke and 400 metre freestyle.

In the first half of February five swimmers from the Institute gained valuable experience in top class competition when they were part of a seven member team led by the Institute's head coach Bill Sweetenham on a European tour which saw long course meets in Hamburg and Berlin and short course meets in Paris and Bonn. At the Paris meet Rob Woodhouse set two new Australian open short course records in the 200 and 400 metre individual medley. In Bonn, David Wilson set a new Australian open record in the 200 metre butterfly as did Donna Procter in the 400 metre individual medley.

At the Australian Nationals which followed in late February fourteen titles went to Institute swimmers. In the Men's events Ian Brown took out the 400 metre freestyle, Michael McKenzie the 800 and 1500 metre freestyle, Brett Stocks the 50 and 100 breaststroke, Rod Lawson the 200 metre breaststroke, David Wilson the 100 and 200 metre butterfly, Rob Woodhouse the 200 and 400 metre individual medley and Simon Upton the 50 and 200 metre backstroke. Simon's 2:02.56 minutes win in the 200 metre backstroke broke the long-standing Australian record set in 1979 by Mark Kerry. In the Women's events, Karen Lord captured the 200 metre backstroke and Lisa Fildes won the 200 metre butterfly.

In mid-April Sheridan Burge-Lopez set a new short course Australian record when winning the 200 metre freestyle.

The Olympic Trials in Sydney in mid-May featured Donna Procter's superb performance in the 400 metre individual medley. Her time of 4:45.12 minutes set a new Commonwealth, Australian and Institute record.

The Institute fared well by placing Robert Bruce, Ian McAdam, Martin Roberts, Simon Upton, David Wilson, Rob Woodhouse, Sheridan Burge-Lopez, Janelle Elford, Karen Lord, Donna Procter and visiting scholarship holders Michael McKenzie and Nicole Livingstone in the twenty-six member Australian Olympic team. After the Trials, Jason Plummer and Megan Johnston took up Institute scholarships and joined in the preparation for Seoul.

An Australian Youth Team was also selected from these Trials. Six men and two women from the Institute were included in the number. Brent Harding was picked from this selection to be part of a four person team which competed in Monte Carlo in June.

In late May, Australia took part in its most successful international meet for sometime. The Florida Mission Bay International included a world-class line up from the United States, West Germany, France and other European nations. Rob Woodhouse and Janelle Elford were named male and female swimmers of the meet. Other outstanding performances were put in by Sheridan Burge-Lopez and David Wilson.

The swimming program's 1987 Annual Awards were presented to:

Donna Procter and Rob Woodhouse *Most Outstanding Swimmers*
Pippa Downes and David Wilson *Most Dedicated Swimmers*
Karen Lord, Martin Roberts and Ian McAdam *Most Improved Swimmers*
Dominic Sheldrick *Most Valuable Swimmer*

Jenny Messenger *Academic Achievement*
Rob Woodhouse *Four Years World Ranked Performance*

Once again the swimming program is indebted to Speedo Holdings Limited and Barclays Bank for their valued contributions, and Australian Swimming Incorporated, the National Coaching Program, satellite coaches, state associations and clubs for their support in raising Australian swimming to a professional and successful level.

Tennis

Head Coach Ray Ruffels
Coach Peter Campbell
Assistant Coach Natalia Leipus
Trainer Geoff Damm

The Institute's tennis program, with the support of McDonalds Junior Tennis Australia, develops top-line junior players who have the discipline and toughness to make the grade in Open tennis.

There have been many highlights in a very hectic and successful year. Current Institute players are now not only dominating national and international junior events, they are making advances in senior competition. Jason Stoltenberg and Todd Woodbridge made their centre court Wimbledon debut this year while Joanne Faull won two rounds of the ladies singles. Johan Anderson was a semi-finalist at the South Australian Men's Open Championship. Former Institute athletes Pat Cash and Anne Minter now form the cornerstones of Australia's Davis Cup and Federation Cup Teams respectively, while Wally Masur, Darren Cahill, Simon Youl and Louise Field are also competing at the highest levels of international competition.

These highlights were reinforced by many notable achievements in Junior tennis. Jason Stoltenberg was ranked world number one junior in 1987. Australia won the prestigious men's title in the World Youth Cup in Japan for the third year running, the team consisting of scholarship holders Johan Anderson, Jamie Morgan and Todd Woodbridge. Australia also took the women's World Youth Cup for the first time. Scholarship holders Joanne Faull and Rachel McQuillan were the number one and two players in the team.

On the national side, Joanne Faull won the Australian Open Juniors, the Victorian Juniors and the New South Wales Juniors while Rachel McQuillan won in Queensland. Johan Anderson captured the Australian Open Juniors while Jamie Morgan excelled in winning both the New South Wales and Victorian Juniors. Richard Fromberg and Rachel McQuillan also took out the Kraft National Championships.

For the first time Institute players also dominated the two men's satellite circuits. In the November Satellite, Johan Anderson, Todd Woodbridge and Jason Stoltenberg finished second, third and fifth respectively, while in the March circuit they were the first three place getters. Woodbridge and Stoltenberg were undefeated in the men's doubles.

In the women's Satellite events, Rachel McQuillan won at Meadowbank while Kate McDonald, Rennae Stubbs and Kristin Godridge made the Masters circuit in Melbourne. Angie Woolcock and Nicole Pratt performed extremely well to reach the doubles semi-finals in Wollongong, Canberra and Melbourne.

Carl Turich and Adam Anderson distinguished themselves by being named in the prestigious BP Achievers Squad. Adam also succeeded in finishing second on the strong British Satellite circuit.

A number of changes occurred to the program, with John Marks, Brett Edwards and Janette Treacy leaving. Their significant contributions and dedicated efforts are appreciated. New staff members are Peter Campbell and Natalia Lepus. Geoff Damm's continuing role as physical conditioner has raised the level of fitness of squad members.

The Australian Junior Development Program encompasses the Institute and McDonalds Junior Tennis Australia and is jointly funded by the Australian government, the Lawn Tennis Association of Australia and McDonalds Family Restaurants.

The tennis program is supported by Dunlop Shoes.

Water Polo

Head Coach Charles Turner
Coach Don Cameron

The prime objective of the water polo program is to provide players of international standard for the national teams, both junior and men's.

At the end of 1987 the Institute won the National League when it defeated the the Western Australian Institute of Sport Torpedoes 8 — 5 in the final. The rivalry continued in the following Australian Institute of Sport Cup when the Torpedoes were again the Institute's victims.

The Institute has now only been beaten twice in domestic competition since its inaugural season in 1985.

Once again Institute players made up the majority of the successful teams in the National Interstate Championships held in Sydney in January 1988. News South Wales defeated Western Australia 9 — 8 during extra time in the final. Twelve of the finals players were current or former Institute scholarship holders.

From July to September 1987, Institute players took part in three international competition spanning four continents. Thirteen of the fifteen players in the program toured Europe and China. Ten of these then participated in the World Student Games in Yugoslavia, where Australia finished ninth, while the other three were part of an Australian selection which competed in Stuttgart, West Germany. The tour finished with a six nation tournament in Savona, Italy. Australia finished fourth in both tournaments.

Following the National Interstate Championship an Olympic squad of fourteen was selected which included former scholarship holders Andy Taylor and Don Cameron, and current scholarship holders Mark Oberman, Troy Stockwell, Simon Asher, Ray Mayes, Andrew Wightman and John Fox. Andrew Kerr (captain of the Olympic team) and Geoff Clarke were added to the full-time Institute squad while Chris Harrison, Chris Wybrow and Andrew Taylor were made associate scholarship holders. The Institute therefore became directly responsible for the training of twelve of the fourteen squad members.

Preparing its bid for Olympic qualification, the squad participated in two tournaments in Europe in April. In France, Australia won gold, its first, in the eight nation Marseilles International tournament by defeating Spain 11-7 in the final. The other participants were the U.S.A., Cuba, Greece, Poland, Holland and France. At the second competition in Tbilisi in Russia, against the Federal Republic of Georgia, Greece, Hungary, Rumania, Bulgaria and Russia I and II. Australia won bronze.

In May, Australia hosted the Olympic Elimination Tournament in Perth. After defeating China in the final round-robin match Australia qualified for the Seoul Olympics, continuing a sequence unbroken since 1948.

During the year squad members were involved in a video-based exam for referees — the first of its kind — which was produced by staff. The video is being used by the world body FINA.

Weightlifting

Head Coach Lyn Jones
Coaches Harry Wardle
Paul Coffa (Hawthorn Unit)

Institute weightlifters continue to prepare for national competition as a lead-up to international competition at junior (under 21) and senior level. The successful sports partnership with the Hawthorn Club in Melbourne is an integral part of the weightlifting program and continues to flourish.

During the year in review, Institute weightlifters participated in twenty-one domestic competitions which took place in every state of Australia except Tasmania and Western Australia. They dominated the Samboy Chips National Championships by taking seven of the ten categories at senior level, seven of the ten at junior level, five of the twelve at youth and seven of the twelve at schoolboy level. At the National Country championships, they won five gold medals.

At the international level, Institute weightlifters competed in the Commonwealth Championships, the Oceania Championships, the World Championships in Ostrava Czechoslovakia, the Czech Cup, the Moomba International, the Junior Tournament of Greece and the World Junior Championships in Athens. When and where Australian teams competed the majority of lifters were from the Institute. Nine of the ten team members at the Commonwealth Championships, four of the six at the World Championships, nine of the ten at the Oceania Championships, and eight of the nine at the World Junior Championships.

This was arguably the best year for the weightlifting program. Institute weightlifters set ninety-seven national records, two Commonwealth senior records and four Commonwealth junior records. Ron Laycock's Commonwealth record jerk of 197.5 kilograms in the 75 kilo category and Stephen Kettner's snatches of 165, 165.5 and 170 kilograms, jerk of 203 kilograms and total of 365 kilograms to equal the records set by Ironbar Bassey and Dean Lukin were highlights of the year.

Other notable achievements included Stephen Kettner's bronze medal at the World Junior Championships and top ten world rankings for Greg Hayman (ninth in the 52 kilo category), Ron Laycock (seventh in the 75 kilo category) and Gary Parisi (ninth in the 90 kilo category). As well as Greg Hayman's seventh place, Pedro Sanchez's ninth in the 52 kilo category and Paul Harrison's ninth at the World Championships. Paul Harrison's gold medal in the 75 kilo category at the seventeen nation Czech Cup in Havirov. Danny Mudd (67.5 kilo category), Ron Laycock, Harvey Goodman (90 kilo) and Charles Garzarella (110+ kilo) won gold medals at the Commonwealth championships. And to cap off a successful year the entire Olympic weightlifting team for Seoul is comprised of Institute athletes Hayman, Laycock, Harrison, Blair and Garzarella.

Sports Science and Sports Medicine Centre

This last financial year has seen some changes in direction for the various units within the Sports Science and Sports Medicine Centre of the Australian Institute of Sport. Six staff members have been officially selected as members of the 1988 Olympic teams. Jeffrey Bond, sport psychologist, was a member of the Calgary Winter Olympic team. Dr Peter Fricker, Susan Beasley RN, sport psychologist Brian Miller, physiotherapist Craig Purdham and masseur Barry Cooper were selected for the Seoul Olympics. Other staff members in Seoul on Australian Olympic Federation FX accreditation were Jeffrey Bond (swimming) and physiologist Dr Richard Telford (swimming, rowing, and track and field).

Sports Science

Excellent work has been done by *Sports Physiology and Applied Nutrition* with the Australian swimming team preparation for the Olympic Games, with the Olympic rowers amongst the many sports serviced. Consultant nutritionist Vicki Deakin continued to provide a valuable service to resident athletes. She was involved in a number of applied research programs with both the physiology and medicine units. New ground has been broken by *Biomechanics* in the application of computer technology to the analysis of movement in sport. A program which allowed for visual display of swimming strokes has attracted a lot of attention.

Sport Psychology has continued to raise its profile through involvement with teams both in Canberra and in our Centres in Perth, Brisbane and more recently Adelaide. A reflection of this is seen in the appointment of two sport psychologists to the Summer Olympic Games to follow the appointment of a sport psychologist to the Winter Games held in 1988.

Sports Medicine and Sports Physiotherapy and Massage have focused on development of preventive programs against injury amongst athletes. Numerous studies have been conducted on muscle injury and rehabilitation, on compartment pressure syndromes and on impact loading of the lower limb (conducted in association with the Biomechanics unit). Work done in these areas has also attracted much attention and many requests for presentation of information at conferences and seminars.

The drug testing program has been conducted on a larger scale than ever before at the Institute and Susan Beasley RN has carried most of the work in this area, assisted by Steve Haynes (from the Australian Sports Commission Drugs in Sport Committee) and Sports Medicine staff.

During this financial year the company of Smith, Kline and French have provided sponsorship to the Institute by providing supplies of Hepatitis B vaccinations for all athletes and coaches. This has been seen to be a very positive step and all involved are most grateful.

CIBA-Geigy Pharmaceuticals have sponsored the inaugural Sports Medicine Fellowship and this was instituted at the beginning of 1988. It has been a most successful program so far and the Institute looks forward to CIBA-Geigy's continued support.

An Ethics Committee has been appointed to the Australian Institute of Sport and this has been active in examining proposals for research done within the organisation

In all, Sports Science and Sports Medicine have consolidated and maintained a quality service to coaches and athletes.

Sports Medicine Unit

As part of the preparations for the Olympic Games medical screening for all athletes taking part in the Winter Olympics was carried out in November while medical testing of officials for Seoul took place in June.

In December 1987, Dr Peter Fricker accompanied the Institute's Netball team on a tour of English provinces. The team was kept on court, despite various soft tissue injuries, winning all matches.

Applied research continued with more work being done on amino acids and growth hormone physiology and compartment pressure testing. Visiting Research Fellow, Ian Copeland PhD, has contributed enormously to research in the area of growth hormone physiology in particular.

Staff maintained their commitment to public lectures and seminars addressing groups at least once a fortnight on the unit's role at the Institute.

Students from various universities worked with the unit. A number of papers — listed in appendix 7 — were submitted for publication.

The services of Dr Peter Hannaford, Dr Bob Still and Dr Lee O'Neil, a dentist, were engaged. Sessional consultations for these practitioners were started to enhance the service to athletes.

Sports Physiotherapy and Massage Unit

The unit has continued with primary care and preventative work leading to a reduction in the overall injury rate and time lost from training. We feel there is still room for improvement in this area, which will be one of the major thrusts over the next two years.

New modalities introduced over the last twelve months have included laser therapy and the use of muscle energy techniques to complement other manual therapy techniques already in use.

The increased demand by sports for medical and paramedical support during the competitive season is inevitably limited by available resources. Coverage has been limited to major national championships rather than the week to week fixtures. During the year the following international events were covered by personnel from Sports Physiotherapy and Massage (Canberra):

- World Student Games, Zagreb, Yugoslavia.
- World Track and Field Championships, Rome, Italy.
- World Junior Soccer Championships, Montreal, Canada.
- World Junior Men's Basketball Championships, Bormio, Italy.

The Sport Physiotherapy and Massage unit has retained the same personnel over the last year being Craig Purdam, Henry Wajswelner and Peter Stanton, physiotherapists, and Barry Cooper and Wayde Clews, masseurs.

During the 1988 academic year Henry Wajswelner is completing a Postgraduate Diploma in Manipulative Therapy in Melbourne. His position has been ably filled by Libby Fardy, a Manipulative Therapist from Adelaide.

Applied research undertaken in the Unit over the year included:

- *The uses of massage in the treatment of supraspinatus tendonitis* (Wayde Clews and Henry Wajswelner);
- An objective study of the effect of massage on chronic anterior tibial compartment syndrome (Wayde Clews and visiting Medical Officer, Dr Peter Hannaford);
- Effect of varus and valgus orthoses on forces transmitted to the tibia in walking and running (Peter Stanton, Marrow Lafortune from Biomechanics and Dr Ken Maguire);

- Quantification of the eccentric hamstring 'catch' exercise (Mario Lafortune, Craig Purdam, Peter Stanton and Visiting Fellow Geoff Strauss); and
- Progression of eccentric torques around the knee using the drop squat exercise (Craig Purdam and Mario Lafortune).

Articles published by the Unit are contained in appendix 7.

Sport Psychology Unit

The Sport Psychology Unit is headed by Jeffrey Bond who works with psychologists Brian Miller, Chris Horsley and technician Phil Brown. Sport Psychology staff in the de-centralised units include Dr Ian Lynagh in Brisbane, Graham Winter and Cathy Martin in Adelaide and in Perth, Dr Robert Grove.

The staff are involved in the education and welfare of resident and de-centralised athletes, education and profiling all National Sports Program teams, and a close association with a number of national teams. They also provide a wider advisory service to many sporting groups and individuals around Australia. For example, Jeffrey Bond has provided intensive consultancy services to Patrick Cash during his past two Wimbledon campaigns and several other Grand Slam and Davis Cup events.

They aim to enhance athletic performance through psychological skills training and are responsible for the psychological welfare of individual athletes and coaches.

Each sport psychologist works with specific Institute sports: Jeffrey Bond with swimming, tennis and weightlifting, Brian Miller with track and field, netball, rowing and hockey and Chris Horsley with waterpolo, men and women's basketball and soccer.

Olympic Games preparations have dominated the time of the sport psychologists over the past eight months. Brian Miller and Graham Winter have been appointed by the Australian Olympic Federation to the Australian Olympic team to Seoul while Jeffrey Bond was in Calgary with the Australian Winter Olympic team, and has AOF accreditation to assist the Olympic swimming team prepare in Seoul. He also accompanied them on their last tour to the USA.

Brian Miller is closely associated with both men and women's hockey teams, track and field athletes and the rowers. Brian toured Seoul with the women's hockey team and in June was in Europe dividing his time between the women's hockey team, the rowing crews and a number of track and field athletes competing in Europe.

Chris Horsley is helping to prepare the waterpolo team and women's basketball team. He toured Europe with the waterpolo team and was involved in a Test series in Australia against Olympic Champions, Yugoslavia.

Sport psychologists, Dr Ian Lynagh and Graham Winter, have toured with the Institute's divers and squash players, and national team archers and pistol shooters respectively. Cathy Martin accompanied the Australian Junior Track and Field team on their development tour of the USA.

Visitors to the Psychology Unit included Dr Ian Lynagh and John Crampton on locum appointments and Steve Cohen, a Clinical Masters student from the University of Western Australia. Overseas visitors included Dr Don Horwood from the University of Alberta, where he is head basketball coach, and Dr Brent Rushall from San Diego State University. Ian Maynard, a lecturer from the West Sussex Institute of Higher Education stayed for six weeks to assist in the evaluation of Australian Institute of Sport (Test of Attentional and Interpersonal Style) data.

The Unit's primary research project was completed by Jeffrey Bond and Dr Bruce Mason of the Biomechanics Unit and funded by the Australian Sports Commission. The study attempted to determine some of the psychological and biomechanical factors affecting accuracy in pistol shooting. The research assistant working for the Sport Psychology unit on this project was Guy Molloy.

Anne Quin, a postgraduate scholarship holder, is producing a video dealing with general topics of sport psychology. Its intended market is for use in the National Sports Program. Anne is also working with Jeffrey Bond on a series of studies on the effects of emotional states on performance.

The offices of the Australian Applied Sport Psychology Association are now situated within the Sport Psychology Unit. This organisation has been established to foster the future development of applied sport psychology in Australia. It has close links with the Institute, Australian Olympic Federation and the Australian Psychological Society.

Brian Miller was a visiting lecturer to the Jubilee Sports Centre in Hong Kong during May, and Jeffrey Bond was one of twelve international sport psychologists invited to participate in an intensive clinical sport psychology workshop in California in April organised by Drs Ogilvie and Nideffer from the United States.

The sport psychology staff have continued to publish many articles in specific sporting and refereed international scientific journals. They are listed in appendix 7. Throughout the year the staff have also been associated with various coach education courses conducted under the auspices of the Australian Coaching Council.

Biomechanics Unit

Biomechanics is the sports science discipline that deals with technique. The athletic performance is analysed and inefficiencies brought to the attention of athlete and coach so that they may be overcome.

During the year, Drs Bruce Mason and Mario Lafortune continued their work as biomechanists with the help of technical officer John Armstrong and the part-time technical assistant for the National Sports Program, Anne Cochrane.

Biomechanists work extensively with the Institute's resident 'technique' sports as well as many of the sports that attended the Institute as part of the National Sports Program. Most of these projects involved the use of high speed cinematography and force platform analysis.

The biomechanical analysis of performance on high speed film involves the digitising of images on film followed by appropriate computer processing which is generally done in conjunction with the analysis of the forces that produce the athletic performance. A Vicon (four camera) automatic digitising system was installed. The system reduces the work load associated with putting information into the computer for the kinematic analysis of selected activities. In some analyses, this will in part replace high-speed cine filming and the digitising process.

The year has also witnessed an improved presentation format of biomechanical results to coaches and athletes. Generally, this takes the form of a specially prepared video tape which includes a visual copy of the performance, as captured on high speed film, together with animated stick figure images synchronised with analysed kinematic and kinetic profiles of the technique performance produced by computer.

A project, in conjunction with the sport psychology unit, designed to look at the biomechanical and psychological factors affecting pistol shooting accuracy

was successfully completed. It was sponsored by the Applied Research Sports Program of the Australian Sports Commission. A similarly supported project designed to look at efficiency in cycling is now well under way.

Another project under the Applied Sports Research Program, aimed at developing a computerised system for the detection of technique problems in the four swimming strokes, has been approved. The project will allow the analysis of stroke technique for a swimmer within minutes of the swim.

The biomechanics unit is also studying ways by which forces that are experienced by the leg in such activities as running may be assessed quickly in the laboratory. This will lead to improved biomechanical evaluation procedures of athletic footwear and insert devices aimed at improving performance and reducing injury to the athlete's lower extremities.

In July 1987, Doctors Mason and Lafortune attended the International Society of Biomechanics XIth Biennial Conference conducted at the Free University of Amsterdam. Dr Mason presented a paper on body stability and performance in archery and Dr Lafortune presented a paper on impact loading of the lower extremity.

Dr Mason attended the Fifth International Symposium of Biomechanics in Sport held in the new Peace and Friendship Olympic Sports Stadium in Athens during mid-July. There he gave an invited paper on the benefits of biomechanical filming and analysis at international competitions and a paper on the kinematic analysis of pole vaulting at the 1985 World Cup.

A series of ten videos of track and field performances captured by high speed cameras at the World Cup is selling well in both the Australian and overseas market.

Lauren Cowan, a physical education graduate from Philip Institute in Melbourne, who was the research assistant for the pistol shooting study funded by Australian Sports Commission Applied Sports Research Program, left the Institute in February at the completion of the project. Danny Rutar, from Swinburne Institute of Technology, served as a research assistant from July until December as part of a work experience program. In January, Allison Wright, a graduate from the University of Wollongong, and Sally Patton, a graduate from the Canberra College of Advanced Education, commenced a ten month post-graduate scholarship with the biomechanics section. And in March, Brian McLean, a graduate student at the University of Queensland, began a ten month post-graduate scholarship to assist with the cycling applied sports research project.

Ms Julie Steele, on sabbatical leave from the University of Wollongong, worked in the Unit on a biomechanical/physiotherapy research project from September to December. The research aimed to investigate the lower limb mechanics and the mechanisms of knee injury to netballers as a consequence of the landing process in the sport. The project was part of a larger study funded by the Applied Research Program of the Australian Sports Commission.

Dr Geoff Strauss, on sabbatical leave from Curtin University in Western Australia, carried out investigations in the Unit as part of a joint biomechanical/physiotherapy research project during September and October. The project was designed to examine the action of the hamstring muscle group during rapid knee extension.

Professor Ewald Hennig, on sabbatical leave from the University of Essen in West Germany, worked in the Unit during March. In a collaborative research project between the Institute and the University of Essen, he investigated impact loading in the lower extremity during running.

Physiology and Applied Nutrition Unit

Following careful consideration of resources available, Physiology and Applied Nutrition continued its policy of concentrating on certain sports and certain test procedures. Work involved both regular testing and conducting special projects.

The regular testing done on the athletes of several Institute sports produced many interesting results.

In rowing, the finding that peak performance on the rowing ergometer occurred when maximum oxygen uptake was not at its highest, but when levels of blood lactate were higher than previously measured, suggests that the anaerobic energy system may make a bigger contribution to successful rowing performance than believed to date.

The Institute soccer group was studied intensively in 1987, results suggesting that there may be more involvement of the lactic acid energy system than previously thought, and that the better players were also able to deal more effectively with the lactic acid produced.

Comprehensive profiles were produced for a number of distance and middle-distance runners, with work also starting on walkers and multiple event athletes. The importance of good economy became clear, i.e. the ability to work at a constant rate with the least consumption of oxygen. Further investigations into the often significant differences between athletes are being carried out.

Extensive and regular testing of the swimmers included blood pressure and ECG (electrocardiogram) checks as indicators of overtraining, laboratory measures of power and endurance, routine sampling of heart rates and blood lactate levels during training, post-competition blood lactate levels, and the periodic production of heart rate/ blood lactate/ velocity curves as determinants of the effect of training programs. The extensive work done at the poolside, both at interstate training camps and at the Institute with head coach Bill Sweetenham, has facilitated modifications to individual training schedules as well as to the general program.

Work began in 1988 with the netball group principally in the areas of basic testing and the prescription of conditioning programs.

The main visiting National Sports Program groups with which work was done were cross-country skiing and canoeing — marathon, slalom and downriver, the sprint canoeists now being tested at the Institute's Brisbane Unit. Attempts are constantly being made by Physiology to devise more specific tests for these sports as work with Institute sports demonstrates that this, combined with regular testing over a period of many months or even years is the best way to gain knowledge of the characteristics of a sport and thereby assist the coaches in the compilation of optimal training programs.

More limited assistance was provided to other Institute sports mainly in the areas of routine monitoring of body composition by use of skinfolds measurements, and of regular blood sampling mainly for signs of deficiencies in iron and other minerals and vitamins.

These services were also provided to many National Sports Program groups which also received talks on nutrition and training programs.

The new environmental chamber continued to prove useful in the acclimatisation of athletes preparing for competition in hot and humid conditions. It will be used in preparations for the Seoul Olympics.

A number of practical research projects were continued or commenced during the year.

A grant from the Australian Sports Commission has enabled a study on Talent Identification in rowers. A large number of Australia's best rowers has already been tested to try to identify the physiological and anthropometric characteristics contributing to high level performance. It is intended to select, by appropriate testing, children from local schools who exhibit the desired characteristics, and, if they are willing and their parents agree, to train them under the guidance of top level coaches for two years. The outcome in terms of their rowing ability will then be assessed. If the project is successful in producing high performance rowers, the method of identification and selection could be applied to other sports. This has wide potential implications for the direction of work at the Institute and for sport development in Australia.

A joint study with the Biomechanics unit conducted by Mr Brian McLean as part of his PhD, has been determining whether it is possible to change the efficiency of pedalling of cyclists by means of visual feedback of the forces being exerted by the foot on the pedal during the cycling action.

The Australian National University's Department of Biochemistry represented by Dr Maurice Weidemann and Ph.D. student Mr John Smith, the John Curtin School of Medical Research, and the University of Newcastle's Department of Biological Sciences represented by Honours student Mr Bon Gray, are undertaking collaborative studies to investigate the effect of high intensity exercise on the immune system. These studies will clarify changes in susceptibility to infection which may occur as a consequence of different levels and intensities of training. This follows the studies of the effect of aerobic exercise and chronic training on the immune system, results of which have been reported in *Excel*, the quarterly journal on Sports Science and Sports Medicine research at the Institute.

Using equipment supplied by the Repco Cycle Company, three tests have been developed to assess the capacity of the aerobic and the two anaerobic energy systems of the body. Sufficient numbers of people have already been put through the tests to enable standards equating to different fitness levels to be drawn up and published. The tests are called the Trilevel Fitness Profile and already several national sporting groups use it for fitness testing and talent identification. The test methodology has been described in *Excel*.

Employing the massage skills of Dr Zhang Zebo and Mr Roger Carter, a study was conducted on young weightlifters which indicated that regular massage can aid the recovery and adaptation to heavy training of the athlete, a belief widely held but seldom tested scientifically. A report has been submitted to the Australian Sports Medicine Federation Annual Conference to be held in Sydney in September 1988.

Another very important study currently being undertaken is the Iron Study. This involves screening Institute athletes and many national teams for iron status using blood tests. In so doing it will be possible to identify the incidence of iron deficiency. The effect of iron deficiency without anaemia on performance is also being investigated. The study is being funded by the Australian Meat and Live-stock Corporation (AMLC).

A separate study, again funded by the AMLC, involves analysis of all our blood data collected over recent years. This study is proving most enlightening and interpretation of blood tests is now applied to specific sports norms rather than general 'text book' results.

A publication presenting a summary of results of many of the studies carried out in the Physiology section has been prepared. It will be disseminated to interested parties throughout Australia.

In November 1987 the Head of Department was invited to give the Keynote Address at the Asian Sports Medicine Conference in Calcutta.

Physiology and Applied Nutrition is headed by Dr Richard Telford and includes physiologists Dr Alan Hahn and Doug Tumilty, technical officers Steve Morland, Anthony Parker, David Pyne and technicians Philippa Pang and Brian Minikin.

Appendix 7 contains a list of recent references and publications produced by the unit's staff.

Fellowships and Postgraduate Scholarships

1988 saw the introduction of a new scheme offering to selected Australians Fellowships for six to twelve months research, and Postgraduate Scholarships for ten months in the Sports Medicine and Sports Science Centre. CIBA-Geigy Australia Limited funded the inaugural Fellowship and it was awarded to Dr Roslyn Carbon, a medical practitioner from Perth. Postgraduate Scholarships were awarded to Allison Wright and Bill Egerton who completed their Bachelor of Applied Science (Human Movement) at the University of Wollongong in 1987, Sally Patton and Anne Quinn who completed their Bachelor of Applied Science (Sports Studies) at the Canberra College of Advanced Education in 1984 and 1986 respectively, Brian McLean who is enrolled currently in a Doctoral program at the University of Queensland, and Phillip Ward who completed his Graduate Diploma in Sports Science at Victoria College in 1986 and his Bachelor of Education at Warrnambool Institute of Advanced Education in 1987.

Work experience placements

The Centre continued to provide work experience placement opportunities for students from many Australian academic institutions including students of sports science from Swinburne Institute of Technology, the University of Wollongong, Nepean College of Advanced Education, the University of Melbourne, Ballarat College of Advanced Education, Footscray Institute of Technology, Phillip Institute of Technology, the University of Queensland, the South Australian College of Advanced Education, and Curtin University of Technology; sport psychology students from the Australian National University, the University of New South Wales, the University of Wollongong, the University of Queensland, and the University of Western Australia; medicine students from the University of Newcastle and the University of Melbourne; physiotherapy students from Cumberland College of Health Sciences, the University of Queensland, the South Australian College of Advanced Education, and the South Australian Institute of Technology; and massage students from the Royal Melbourne Institute of Technology.

Visitors from overseas

Work experience placements were offered to:

- Bob Jepsen from Lake Superior State College in Michigan for eleven weeks in the physiology unit from October to December 1987;
- David Hart from Aberdeen University Medical School in Scotland for eight weeks from January to March 1988;
- Frantz-Erik Aschengreen from the August Krogh Institute at Copenhagen in physiology for four weeks in July and August; and

- Ian Maynard from the United Kingdom, who carried out research in sports psychology in July and August 1987.

In addition, Dr Humberto Evora, a WHO Fellow from Macau, and Dr Joan Ulllyot, a Fellow of the American College of Sports Medicine, each visited for three days in October and December 1987 respectively. Dr Ulllyot presented a talk on women in sport to Institute staff and guests.

In June, the Institute invited two distinguished sports scientists from the Expo exhibition of the United States.

Dr Charles Dillman, a biomechanist who is the Assistant Director of the United States Olympic Centre (USOC) in Colorado Springs and its Director of Sports Science, spoke on 'The role of the USOC in the preparation of the elite athlete'. In conjunction with the Australian Council of Health, Physical Education and Recreation (ACHPER), he also conducted a free public forum covering 'The current focus and trends at the USOC'.

Dr Richard Strauss, the Editor-in-Chief of *The Physician and Sports Medicine Journal*, addressed Institute staff and coaches on 'Sports medicine — a research interest'. In association with the Australian Sports Medicine Federation and ACHPER he also conducted a public seminar on 'An American perspective of drugs in sport'.

Ethics Committee

On 21 May 1987, the Deputy Chairman, Mr Ron Harvey, invited a number of prominent Canberra residents to be members of the Ethics Committee formed in accordance with the guidelines issued by the National Health and Medical Research Council. Those invited were:

- Hon Mr Justice John F. Gallop, Justice of the Supreme Court of the ACT;
- Rev Dr James M. McPherson, Convenor of the Anglican Church and Society Division and Rector of St Stephen's Anglican Church at Kambah;
- J. Fulton Muir, Chairman of the Canberra Development Board;
- Dr Peter Hannaford, a local medical practitioner;
- Dr Alwyn Mackie, then Deputy Principal of the Canberra College of Advanced Education. Dr Mackie was a member until January 1988 when she transferred to Melbourne; and
- Dr Diana Kendall, a senior lecturer in the Department of Art Education at the Canberra College of Advanced Education who replaced Dr Mackie.

Board member, Ms Elizabeth Darlison, Acting Director, Dr Ross Smith, and Coordinator of Sports Medicine and Sports Science, Dr Peter Fricker, are also members of the Committee. Justice Gallop is the Chairman and Mr Don Wright the Secretary.

The major functions of the Committee are:

- (i) to consider ethical implications of all proposed research projects conducted by the staff of the Institute and to determine whether or not they are acceptable on ethical grounds;
- (ii) to provide for surveillance of research projects until completion so that the Committee may be satisfied that they conform to approved ethical standards; and
- (iii) to consider ethical implications of any proposal relating to the conduct of the Institute referred to the Committee by the Board of Management.

Since June 1987, the Committee has approved six research proposals:

- *Measuring the effects of massage on compartment pressure — one of the causes of 'shin splints'* (Dr Peter Hannaford, Wayne Clews and Libby Fardy);
- *Identification of talent for rowing* (Alan Hahn, Peter Shakespear, Reinhold Batschi, Frank Pyke, and David Coles);
- *Measurement of the shock experienced by people's legs during sporting activities* (Mario Lafortune);
- *Investigation of the effect of iron deficiency on athletic performance* (Richard Telford, Bon Gray);
- *Investigation of an acupuncture technique of increasing vital lung capacity* (Barry Cooper); and
- *Development and testing of a computerised system for the technique problems in the four swimming strokes* (Bruce Mason)

Excel magazine

Since 1984, Sports Science and Medicine has produced a journal, *Excel* (formerly *Sports Science and Medicine Quarterly*), funded by the Sir Robert Menzies Memorial Foundation for health, fitness and physical achievement.

Excel provides an accessible forum for the Institute's research and development in sports medicine, biomechanics, sport psychology, physiology/biochemistry and physiotherapy.

The journal's readership in Australia and overseas includes practitioners of sports science and medicine, coaches, athletes, academics, sporting organisations, sports studies students and teachers of physical education. Further details about *Excel* are available from:

The Editor
EXCEL
PO Box 176
Belconnen ACT 2616

National Sport Information Centre

The Information Centre continues to pursue the objective of providing the most comprehensive sports information service to the widest possible audience. Significant initiatives this year have been the extension of services to more outside users, the expansion of the collection to cover more sports, and the implementation of computerised retrieval systems for video, slide and photographic material. While the comprehensive indexing of Australian sporting information and the establishment of more formal links with the Canadian Sport Information Resource Centre, which coordinates the international SPORT data base, ensures Australian information is documented and available world-wide.

The amalgamation of the Australian Institute of Sport and the Australian Sports Commission presents the Centre with an opportunity to broaden even further its coverage and clientele. As the renamed National Sport Information Centre it will have responsibility for developing a truly national service available to all Australians, not just those involved in the development of elite athletes.

The Collection

During the year the Centre's collection expanded to approximately 6000 book titles, 2500 videotapes and 900 subscriptions. As well as subscribing to all the major Australian sporting journals and newsletters, the Centre has attempted to acquire the periodicals of all major international sporting bodies to accommodate the needs of the incoming Australian Sports Commission programs. In the meantime work has begun on integrating the collections of both bodies.

Information resources on cricket and cycling were established in the Institute's unit in Adelaide, while resources for canoeing for the Brisbane unit are on order. And the indexing of the Centre's own slide and photographic material for the computerised retrieval system has begun.

Technical Services

In December the Centre updated its 'Libacc' automated software package which, among other things, provides a fully on-line public access catalogue for Institute users throughout Australia. Access to all types of material — books, videotapes, photographs — can now be gained through a single terminal.

The Centre, with the generous assistance of the Australian Coaching Council, has also automated the production of 'current awareness' services for the publications *Sports Coach* and *Sport Health* and its own use. At the same time the data base provides a valuable store of sporting information which can be searched on line. The creation of specialised data bases, for example 'drugs in sport', using the same software is being investigated.

Despite the implementation of in-house computerised information systems the Centre — aware of its responsibility for the dissemination of information nationally — continues to contribute data to the Australian Bibliographic Network to ensure that all Australians have access to its resources.

Emphasis has also been given to establishing ways of identifying and indexing Australian sporting publications for the SPORT data base. Subscriptions have now been placed for all major sporting journals and newsletters. The co-operation of many national and state sporting organisations who regularly forward publications to the Centre has been particularly important in this effort.

Information Services

Services have been extended to the Institute's hockey, soccer and water polo satellite coaches and to those personnel of the Australian Sports Commission now located at the Institute. User profiles have been created for the latter whose interests cover diverse areas such as women in sport, the design of facilities, the disabled, and children in sport.

A series of brochures outlining, for the wider community, the Centre's services to specific sports is underway. And packages of information on popular topics such as computers and sport, politics and sport, and careers in sport are also being prepared to assist schools and libraries with the collection of resources on these topics.

A user survey has recently been completed to ensure the continuing relevance of the Centre's efforts. Indicative of the current demand for services was an average of 500 requests per month for articles from the popular current awareness service *Journal Update*. Demand for inter-library loans from other

organisations during the year remained constant with 500 requests while the number of out-going requests fell, reflecting the greater depth and maturity of the Centre's collection.

Liaison with outside organisations

During the year emphasis was given to fostering co-operation with other sports information providers.

A number of initiatives were taken, the most significant being a five month staff exchange between the Canadian Sport Information Centre's Head of Reference Services, Linda Wheeler, and the Centre's Librarian, Greg Blood.

This exchange resulted in a number of ventures including the indexing of Australian sporting information for the SPORT data base, the development of a format for indexing videotape material for the data base, and the exchange of publications. The Centre also gained a greater understanding of the operation of the SPORT Data Base and an insight into the running of a national sport information centre.

Whilst in Canada Greg met with a number of sport information providers including those associated with the International Association for Sport Information and became involved in co-operative projects such as the documentation of sport information needs of the Pacific Region.

In September the Centre hosted a seminar on the current state of Australian sporting information allowing information providers throughout the country to become aware of each others' activities and discuss future cooperation. In view of the seminar's success it will hopefully become an annual event.

Throughout the year the importance of sport information was highlighted by the number of requests to Centre staff to give talks to national sporting organisations, and visits by overseas delegations to discuss the provision of sport information service.

The National Sports Program

The National Sports Program (NSP), formerly the National Training Centre Program, was established at the Australian Institute of Sport in 1982. The program provides national sporting bodies, particularly non-residential sports, with an opportunity to use the facilities and services available at the Institute.

A major sponsor of the NSP is the ANZ Banking Group which offers Youth Sport scholarships to promising young athletes attending the camps.

The NSP provides assistance for national team training, major competition preparation and technical seminars for coaches, judges and referees. Financial assistance is offered to defray costs associated with the camps, such as travel and accommodation.

Program structure and participation

All national sporting bodies are eligible to apply for assistance under the NSP. Priority is given to Olympic or high profile international sports, particularly those preparing for forthcoming major competitions. Approximately fifty different sporting bodies participated in the program during the 1987-88 financial year and many of these on more than one occasion.

Many sports view the NSP as an integral component in their preparation for Olympic Games, World Championships, Commonwealth Games and other international competitions.

Nearly every member of the Seoul Olympic team will have received assistance under the NSP.

While at the Institute, teams make extensive use of facilities and specialist Institute services to supplement the team's established training program. These include counselling from sports psychologists, discussions on nutrition and sports injury prevention, and access to the National Sport Information Centre while some sports undertake fitness profile evaluations and biomechanical assessments.

Many sports are also realising the benefits of holding accredited coaching seminars and courses in the motivational atmosphere of the Institute.

ANZ Youth Scholarship

ANZ Youth Scholarships were awarded to athletes from thirty-two sports, ranging from amputee to track and field, during the year.

Athletes are selected on the basis of skill, fitness and motivation levels displayed at the camp. The aim of the scholarship is to assist athletes to further develop their sporting careers. Most athletes use their scholarship to offset the costs of travel to interstate and international competition, coaching, the purchase of equipment and the like.

Summary of 1987-88 NSP camps

Archery

22-28 May 1988 Senior Olympic training camp

Fifteen senior archers attended the Institute for a week long camp. Two members of the squad — Simon Fairweather and Chris Blake — used the camp for further preparation for the Seoul Olympics.

Australian Football

30 November - 3 December 1987 Under 17 camp

A training camp was held for the members of the under 17 Commonwealth Bank Teal Cup All Australian Team. This team of twenty-two was selected at the national junior championships held in Hobart in July 1987. Many of these players may go on to play in the VFL competition or other state competitions.

Badminton

24-30 April 1988 Under 21 training camp

A development camp was held for under 21 players at which the coaches were looking for potential international players. Many athletes were aiming towards the 1990 Commonwealth Games and the 1992 Olympic Games.

Baseball

10-17 April 1988 National youth team

A squad of thirty-five juniors attended a week long training camp. Their activities were designed to serve as a tryout for the national youth team. Of the thirty-five players, twenty-two were chosen for the national team which will compete in the World Youth Series in Australia later this year. Selection of athletes was helped by biomechanical testing, psychology sessions, nutrition lectures and many hard training sessions. Three athletes were chosen to receive ANZ/NSP sports scholarships worth \$1,000 each. The three winners were Paul Gorman from Queensland, Darren Snelson from Victoria, and Stewart Bell from New South Wales.

Basketball

5-10 July 1987 Junior men preparation for world championships

Junior mens training camp to prepare for the world junior mens championships in Bormio, Italy, July 1987 at which the team achieved a fantastic fifth placing.

21-26 March 1988 Senior women Olympic preparation

15-21 May 1988 Senior women Olympic preparation

The Australian women's team held two camps during the year with both being geared towards preparation for the Olympic Games. They also held a camp before going to the Olympic Games qualifying rounds in Malacca and Kuala Lumpa. Twenty-four nations were competing for the final six places to compete for the Olympic gold medal. Australia qualified by finishing sixth.

27 March - 3 April 1988

The men's Olympic team conducted a camp in preparation for the Seoul Olympics.

Biathlon

29 November - 5 December 1987

This camp brought together national squad members and members of the Winter Olympic team to prepare for international competition.

3-9 April 1988

Again national squad members and Olympians were brought together to review their performances in the world championships and Olympics.

Bobsleigh

2-7 August 1987

4-9 October 1987

These were the first two NSP Bobsleigh training camps. It is a particularly hard sport to train for in Australia as there are no bobsleigh runs. The athletes worked mainly on their fitness and speed. Tests carried out in the physiology lab gave them an accurate guide to their fitness level. The results helped in their preparation for the World Cup series and the 1988 Winter Winter Games.

Canoeing

Marathon

13-16 Feb 1988 Laboratory testing

6-8 April 1988 World championship preparation

Athletes underwent comprehensive fitness testing. This enabled them to prepare training schedules for the world championships. The senior Australian marathon team attended another training camp for final preparations for the world championships. John Jacoby, a participant at this camp, subsequently won the K1 World Championships for the fourth time in as many years. Jane Hall was the women's K1 1988 World Champion and Denise Cooper and Gayle Mayes were successful in the women's K2 event.

Sprint

8-13 May 1988 Olympic preparation

17 April - 13 May Maroochydhore

Wild Water Slalom

15-21 May 1988 Preparation for world championships

The wild water slalom team also underwent comprehensive fitness programming, testing and psychological profiling as part of their preparation for the world championships. At the recent junior world championships, Andrew Tribe, a participant in the camp won the men's single kayak wildwater race.

Cricket

7-10 September 1987 Youth/senior camp

A combined youth and senior training camp was held in Adelaide at the Institute's cricket facilities.

16-23 October 1987 Aboriginal national team

A squad of thirty-six Aboriginal cricketers took part in a week long training camp to prepare for an historic tour of England in May. Seventeen from the squad were picked to tour England as part of a re-enactment of the 1886 Aboriginal tour.

Cycling

27 November - 4 December 1987 Development camp 1

Promising young riders were brought together in Adelaide. Testing of riders was carried out and training techniques were developed to enable the riders to maintain a progressive training program.

29 January - 7 February 1988 Development camp 2

Riders from the first camp were invited back to Adelaide to conduct follow-up testing in order to evaluate progress. Squad members re-set training programs and goals while their awareness of training needs and requirements as an elite squad member was reinforced.

28 May - 18 June 1988 Preparation for world senior championships

The world junior championship team gathered in Adelaide prior to departure for the junior world championships in Italy. Three cyclists from this camp were chosen to receive ANZ scholarships, Nathan Page from Queensland, Jason Pearce from South Australia, and David Bink from the Australian Capital Territory each received \$1 000. At the championships, Australia won silver in the 4 000m team pursuit, while in the individual pursuit Nathan Page was third and Mark Kingsland fourth — the best results for Australia at these championships.

Disabled sports

Deaf

17-25 March 1988 Soccer preparation for Asia/Oceania Cup

This camp was a final preparation before the third Asia/Oceania Cup held in Melbourne. A number of games were organised as a warm-up to the championships. It also helped the team prepare for the sixteenth World Games for the Deaf in New Zealand in 1989.

Amputees

20-26 September 1987 Swimming, track and field

Six swimmers and five track and field athletes took part in this camp for elite athletes. Intensive training and psychology sessions helped many of these

athletes in their preparation for the Seoul Olympic Games. Three members of the team were awarded ANZ scholarships worth \$1,000 each. They were Jason Willis from Queensland (track and field), Malcolm Neaum from Queensland (swimming) and Susan Knox from Western Australia (swimming).

Wheelchair sports

18–23 October 1987 Weightlifting

28 May – 4 June 1988 Weightlifting, swimming

These two camps were for members of the Australian wheelchair sports federations paralympics team. Training was geared towards preparation for the Paralympics to be held in Seoul.

Diving

27 September – 4 October 1987 Training camp and judges seminar

This training camp was held at the Chandler Aquatic Centre in Queensland. The camp was geared towards coaches as a means of providing the latest information on all aspects of diving, including techniques, training methods, sports science and sports medicine support. Sixteen coaches attended with seventeen divers and three officials, the divers ranged in age from nine to seventeen. ANZ scholarships worth \$1,000 were awarded to April Adams, Michael Murphy and Stephanie Fleming.

Golf

7–13 November 1987 Women — preparation for Australian championships

Members of the training camp practised at both Yowani and Royal Canberra golf clubs. Biomechanical filming helped the girls to correct problems in their technique. All girls were preparing for the Australian junior championships and interstate matches.

24–30 January 1988 Men — junior training camp

An advanced junior training camp was held at the Institute involving twenty of the most promising male golfers under twenty-one years of age. An intensive program was carried out using Institute, Yowani and Royal Canberra golf clubs facilities. The camp was designed to provide advanced coaching and ancillary assistance including psychology, nutrition, fitness, rules and speechmaking.

Gymnastics

4–6 December 1987 Coaching seminar

A Compulsories symposium was held at the Institute by the Australian womens gymnastics association to ensure that Australia's elite coaches and judges had the most current and accurate information regarding the compulsories for the Seoul Olympics.

7–11 December 1987 Sub-junior development camp

Gymnasts were invited from all parts of Australia. The aim of the camp was to identify talented young gymnasts. They were aged thirteen years and under. Assistance was given to all visiting coaches and guidance given on processes required to prepare their young girls for high levels of competition.

13–30 December 1987 Sub-junior development camp

Sub-junior men were brought to the Institute from around Australia for a development camp. From this camp three boys were given ANZ Scholarships worth \$1 000 each. They were Brian Cooper and Brendan Mend from Western Australia, and Brett Hudson from New South Wales.

Hockey

6–13 December 1987 Under-18 training camp (women)
Level 3 coaching course

A training camp was held for the development of national players selected from the under 18 championships. The aim of the camp was to bring together potential Australian players for intensive training, development of technique and ball skills. The camp was also used to develop umpire skills during practical sessions under supervision from Australian-badged umpires.

A Level 3 coaching course was run at the same time as the under 18 training camp. This allowed the coaches to have practical sessions using the under 18 squad. The aim of the camp was to develop coaches for coaching roles with senior teams, national teams or both.

10–17 January 1988 Junior training camp (men)

An intensive national junior mens training camp was conducted at the Institute. Coaches used the camp to identify talented young players and prospective Institute scholarship holders. ANZ Scholarships were awarded worth \$1 000 each to Greg Corbitt from Western Australia, and Stephen Purcell and Stewart Carruthers from Victoria.

17–24 January 1988 Under 21 training camp

A training camp was held for the under 21 squad selected from the Australian under 21 championships. This camp provided the opportunity for intensive training in skills, technique, motivation and plays. Three ANZ Scholarships, each worth \$1000, were awarded to Amanda Conrod from the Northern Territory, and Suzanne Blunt and Audrey Doyle from Western Australia.

Ice hockey

21–30 January 1988 Preparation for international competition

Pre-competition camp for Australia's national youth team (under 18) prior to the Fifth Asian Oceanic junior ice hockey championships to be held in Bendigo, Victoria. This camp is a part of ice hockey's development program which is geared to improving Australia's senior position in world rankings by continually developing its junior elite base. Three ANZ Scholarships were awarded each worth \$1 000 to Chris Glagg from New South Wales, Stuart Higgins from Victoria and Christopher Rurack from South Australia.

26 June – 2 July 1988 Preparation for world championships

Pre-competition camp for Australia's national senior team prior to the world senior championships. Their long term goal is to be reinstated in the Winter Olympics.

Ice skating

3–21 January 1988 Elite training camp

A senior and junior camp held for Australia's elite ice skating squad prior to competition in Australia and overseas competitions. Many members used the camp for final preparations for the Olympic games and world championships.

15–21 May 1988 Ice dance clinic

This was the first ice dance clinic held. Six couples attended and the group had lessons in ballroom dancing, jazz ballet and flexibility.

Indoor soccer

23-29 August 1987 Aboriginal training

The camp was held for the Aboriginal indoor soccer team in preparation for its history making tour of Canada in November 1987. It is one of the few Aboriginal teams to travel overseas.

4-10 October 1987 Women's training camp

The camp was the final preparation for the world championships, the primary aim being to develop further their soccer skills.

Judo

5-18 September 1987 Preparation for world championships

Training camp for elite senior athletes and talented youth athletes in preparation for men's and women's world championships. It was also a continuation of young talent identification and development program; three juniors received ANZ Youth Scholarship awards worth \$1 000 each. They were Ann Marie Pepper, Danny Fagan, and Lara Sullivan. David Starbrooke MBE, seventh dan, coaching director for the Hong Kong Judo Association attended the camp together with five Hong Kong judoka.

7-20 February 1988 Level 3 coaching course

Level 3 coaches course was designed to upgrade the skills and knowledge of coaches. The two week course consisted of one hundred contact hours, sixty were practical lessons and forty theory lessons. The course aimed at giving coaches the skills and knowledge to co-ordinate future national and/or state judo events, and to accompany future world championship and Olympic teams.

Netball

10-12 July 1987 Preparation for world championships

1-10 August 1987 Preparation for world championships

The Australian netball team held two training camps. These camps were important for their preparation for the world netball tournament held in Glasgow in August 1987. Two ANZ Scholarships were awarded worth \$1 500 each to Sally Ironmonger from Western Australia and Michelle Jones from Victoria.

Modern pentathlon

5-18 July 1987 Preparation for world championships

Pre-departure camp for elite athletes before leaving for the world championships. Also an important camp for their preparation for Seoul Olympics. ANZ Scholarships of \$1 500 were awarded to Dean Bohn and Gavin Leahy.

20-24 April 1988 Elite clinic

A mixture of junior and senior elite athletes attended the camp. Together with Institute facilities, the Canberra Pistol Club and local equestrian venue provided appropriate training facilities for the athletes. Three ANZ Youth Scholarship awards were given worth \$1 000 each to Fiona Waterhouse, Alex Johnson, and Andrew Fisher.

Polocrosse

13-17 April 1988 Level 2 coaching course

This camp was a progression from the previous level 1 course held at the Institute. This initial level 2 coaching course is part of a five year development

plan. The camp was run under the supervision of Mr Lawrie Woodman, the Director of the Australian Coaching Council.

Orienteering

18-26 June 1988 Level 2 coaching course

The course was held for coaches from all states to ensure they are adequately qualified to coach in the sport of orienteering.

Rugby union

7-11 March 1988 Under 21 training camp

Top prospective test players attended this training camp and the under 21 Australian team will come from this squad. Psychology played a major part in this camp, the theme being 'thinking or mind power rugby'.

Rugby league

5-11 July 1987 Training camp

Training camp for national youth squad. The aim of the camp was to establish new skills and physiological and psychosocial profiling, and to bring new strategies to the players as a team. The squad was preparing for international competition.

Rowing

21-26 July 1987 Preparation for world championships

This camp was the first chance to bring together all national crews for valuable training and racing. It was also a pre-departure camp for the world championships and was an essential part of the under 23 crews build up for the Olympics. ANZ Scholarships were awarded to Richard Graham, Minnie Cade and Andrew McCubbery.

Shooting

Clay target

13-18 September 1987 National squad training

The national clay target training squad which included the Australian junior team attended the Institute for five days. Five coaches who attended as part of a level 3 course gained valuable experience from the visit. The Australian junior team subsequently won the world junior championships by twenty targets.

The camp was instrumental in one of the trap shooters gaining a quota place for Australia at the Olympics, he did this by shooting well at the world cup in Korea, as well as three other shooters shooting qualifying scores. Overall, ten shooters secured quota scores in the Olympics. ANZ Scholarships went to Filippo Petriella, Michael Diamond and Brett Dunstan.

Field and game

21-27 February 1988 Preparation for world championships

The training camp held to help prepare national squad members for the tenth FITASC world simulated field shooting championships held in Geelong, Victoria, during April 1988. The Institute provided shooters with expert help in sports science. The aims of the camp were to build team cohesion and to assist motivation of selected juniors, ladies and veterans. The camp was also used to concentrate on achieving good mental discipline, to build additional strength, movement control and sharpen reactions.

Pistol shooting

25 July – 1 August 1987 Training and research

National squad members underwent a series of tests as part of a research project to determine factors influencing accuracy. The research program was being conducted by the Institute. The aim of the camp was to develop competition skills together with physical, physiological and psychological profiling of squad members.

Small bore rifle

2–8 August 1987 Talent squad camp

Twelve young shooters attended a week long small bore air rifle camp held at the South Australian Institute of Sport in Adelaide (SASI). They were members of the national training squad which is being groomed for the 1990 World Championships in Moscow. The team was coached by .22 prone world record holder Don Brooks. The camp involved intensive physical and psychological training sessions. Considerable time was spent with SASI sport psychologist, Grahame Winter, who was instrumental in the teams' win at the last world championships. He worked on relaxation techniques which are vital for shooters. The camp also concentrated on overall fitness, a contributing factor in attaining maximum concentration.

Skiing

Alpine skiing

20–25 September 1987 National training camp

26 June – 2 July 1988 National training camp

Both these camps brought the national alpine skiing squads members together for dry land camps. The fitness levels were evaluated. They were also tested by the vigorous training schedule which included a variety of sports such as tennis, gymnastics, swimming, soccer, volleyball, touch football, basketball and running. These camps were an integral part of the Australian Ski Federation program of preparation leading up to top-level racing overseas and the Winter Olympics during 1988.

Cross-country skiing

5–10 July 1987 National training camp

An on-going snow training camp was held for the cross-country skiers at Falls Creek, Victoria. The camp incorporated both juniors and seniors. The camp enabled the skiers to concentrate on technical and physical preparations on snow. Time on snow is a prerequisite for success in cross-country skiing in the Austrian race season and at the Olympics.

3–8 April 1988 National training camp

A dry land camp held for the national squad. All skiers fitness levels were tested, giving the skiers the opportunity to assess their training progress through physiological and psychological tests.

Soccer

30 October – 7 November 1987 Level 4 coaching course

This course is presented in two consecutive parts for elite coaches, most of whom are working at the national league level. Part A of the course was conducted at the Institute in 1986, with Part B being presented at this camp.

4–10 April 1988 Women's under 18 training camp

The camp was designed to develop the skills of under 18 youth team players for future senior teams. Throughout the intensive week of training, the players undertook practical daily training sessions, as well as attended lectures on nutrition, psychology, media relations, weight training and injury prevention. The camp concluded with three games against the Australian schoolgirls. The youth team won the third game to tie the three match series at one win each and a draw.

Softball

1–8 May 1988 National squad training

Softball held a camp for its open women's squad, allowing coaches a final view of players before selecting the Australian team to tour China in 1988.

Squash

9–16 January 1988 Junior development camp

This camp was conducted at the Queen Elizabeth II Jubilee sports complex, Brisbane, which is the headquarters of the Institute's squash unit. Sixteen of Australia's top junior squash players attended with all states and territories represented. ANZ Scholarships worth \$1 000 each were awarded to John Williams from Victoria and Meaghan Pratt and Meaghan Bell from New South Wales.

Swimming

7–18 January 1988 Grand prix

Swimmers from Australia, Denmark, France, German Democratic Republic, Great Britain and Romania came to Canberra to finish up their grand prix tour of Australia. As part of the Australian team, Fiona Alessendri from Western Australia was awarded an ANZ Scholarship worth \$3 000.

Table tennis

4–7 December 1987 Talent identification

Table tennis held its camp at the Table Tennis Academy in Melbourne. Sports medicine facilities were provided by the Olympic Park Sports Centre while the Phillip Institute of Technology carried out both field and laboratory tests. The squad was coached by Mr Zhou, a former Chinese international player, who has coached world champions for China in both men and women's singles events. ANZ Scholarships worth \$1 000 each were awarded to Aldwyn Altung, Robin Moore and Bradley Peel.

Ten pin bowling

25–27 July Preparation for world junior championships

The national youth team assembled in Canberra for three days before their departure for the Asian zone youth championships in Tokyo. Outstanding results were achieved including a gold medal in the boys team event and silver in the girls team event. The girls won the Seotopo trophy for overall points.

28 November – 12 December 1987 Elite youth camp

Twenty-six elite young bowlers assembled in Adelaide for a training camp, the aim of which was to increase performances in preparation for the transition to senior competition.

9-16 December 1988 Level 2 coaching course

A level 2 coaching course was held in Adelaide, its main aim to improve the standard of coaching throughout Australia.

Track and field

8-17 January 1988 level 2 and 3 coaching course

The Australian track and field coaches association have conducted level 2 and 3 coaching courses annually at the Institute. The course drew coaches from many areas in Australia with the aim to develop and educate coaches to a higher level.

8-13 May 1988 Junior preparation international competition

Pre-departure camp for the world junior championships. The camp helped athletes prepare for the rigours of travel and international competition. The tour included lead-up competitions in West Germany, Romania and Columbus Ohio, before going on to Sudbury, Canada for the championship. ANZ Scholarships of \$1 000 each were awarded to Peta Kennedy and Paul Scott from Victoria, and Nick Betty from the Northern Territory. Stephen Perry, a participant at the camp, subsequently won the silver medal in the 400m event at the world junior championships. The 4x400m relay team won the bronze medal.

University sports

28 June - 3 July 1987

A team of one hundred athletes attended the Institute prior to their departure for the world student games in Zagreb, Yugoslavia.

Volleyball

The Australian Volleyball Federation conducted a number of camps at the Institute. Senior, junior and youth teams of men and women attended before competing in major titles and international matches. Highlights for 1987-88 were the visit by the New Caledonian team to play matches against the Australian teams, and a visit from Doug Beal coach of the United States volleyball men's team which won at the 1984 Olympics in Los Angeles. ANZ Scholarships worth \$1,000 each were awarded to Mark Tudor, Leisa Shaw, Fiona Cassidy, Yuri Chernenka, and Paul Frisby Smith.

Water polo

22-28 May 1988 Preparation for junior world cup

The camp was the final selection and preparation for the team to compete in the FINA World Cup tournament. The sports development plan aims to ensure that maintains its world number one ranking.

Waterskiing

27 September - 2 October 1987 National training camp

Members of the national junior waterskiing squad attended a week long camp. All squad members were preparing for the 1988 junior world championships to be held in Melbourne. The squad skied on the nearby Molonglo River.

31 January - 6 February 1988 National barefoot team

The national barefoot skiers held a similar camp to the tournament skiers.

Weightlifting

4-8 January 1988 Talent identification

Twenty-one promising junior athletes attended a training camp at the Institute, giving the coaches a good opportunity to view potential Institute scholarship holders. ANZ Scholarships worth \$1 000 each were awarded to John Kustic, Joshua Brooke, and Phil Linney.

Sports Talent Encouragement Plan

The contribution our top sportspeople make to our nation cannot be underestimated. The outstanding achievements of Australians in the international sporting arena not only boost national pride and enhance Australia's image overseas, they also motivate many Australians to participate in sporting activities. Due, however, to the rising costs of sport at the international level, athletes cannot be expected to achieve success without some form of assistance, whether it be public or private-sector based.

Because the Commission and Institute believe the pursuit and achievement of excellence in sport should be as strongly encouraged as it is warmly applauded and admired, the Sports Talent Encouragement Plan provides high performance athletes with direct financial assistance to help defray the costs associated with their training and competition programs.

The Sports Talent Encouragement Plan, which began in 1986 and is run on a calendar year, aims to do four things:

- (i) enable Australian sportspeople to maintain and improve world rankings and success in the international arena,
- (ii) encourage the development of Australia's top-level coaches by allowing them to work full-time with their national squads and emerging talent,
- (iii) assist Australian athletes and coaches to single-mindedly pursue their sporting careers, secure in the knowledge that their families and employment opportunities will not suffer, and
- (iv) complement programs of assistance to high performance athletes provided by the Australian Institute of Sport, State and Territory governments and private enterprise.

In 1988, Sports Talent Encouragement Plan assistance was available only for individual athletes with an open world ranking in the top fifteen and national teams with a ranking in the world's top ten. The 'potential' category which operated up until 1987 was dropped in an effort to strengthen assistance to Australia's top senior athletes.

Grants totalling \$624 000 were allocated to 133 individual athletes and fourteen teams. Among the team grant recipients were Australia's teams in men's and women's hockey, netball and the world champion women's cricket, women's water polo and women's lacrosse teams.

Individual athletes who had performed well in 1987 and, as a result, were awarded Sports Talent Encouragement Plan grants included Martin Vinnicombe, world champion in the time trial event at the 1987 World Cycling Championships, Debbie Flintoff-King, ranked second in the world for the 400 metre hurdles and John Jacoby, world champion in marathon canoeing. Other athletes to receive grants included swimmers Nicole Livingstone, Julie McDonald, Rob Woodhouse and Jon Seiben, water skiers Karen and Michael

Neville, 400 metre runner Darren Clark, canoeist Steve Wood and a number of world champions in various classes of yatching.

A complete list of recipients is contained in appendix 3.

Coaches Assistance Scheme

1988 also saw the introduction of the Sports Talent Encouragement Plan Coaches Assistance Scheme as a pilot program — the first time Government funds have been made available directly to top level coaches.

The Scheme has three aims:

- (i) to raise the standards of coaching for Australia's high performance athletes in selected sports,
- (ii) to enable Australia's top-level coaches in these sports to spend more time with their athletes, squads or teams or in assisting other coaches in developing their coaching expertise, and
- (iii) to provide recognition for Australia's top coaches and encourage for all coaches.

To be eligible for grants, coaches had to be accredited under the National Coaching Accreditation Scheme (NCAS), preferably at Level two or three and be involved currently in coaching elite athletes or teams. An amount of \$80 000 was available in 1988 and as a pilot program it was decided that the scheme would cater for coaches from six sports only. These sports were athletics, swimming, cycling, rowing, hockey (men) and basketball.

Leading coaches who received grants included Lawrie Lawrence (swimming), Gerry Stachewicz (swimming), Robbie Cadee (basketball), Sue Harcus (basketball), Barry Langley (cycling), Jim Irvine (hockey), David Yates (rowing), Nancy Atterton (athletics) and Alan Barlow (athletics). A full list of grant recipients is contained in appendix 4.

An early boost to the program was secured by Australian Swimming Inc. when Tarn Pure, a manufacturer of water purification systems, provided \$20 000 to the scheme for 1988. Swimming coaches were thus able to receive more significant grants.

The Sports Talent Encouragement Plan Coaches Assistance Scheme is being integrated into the Australian Institute of Sport's network of coaches. Already a number of recipients have been involved in elite coaches workshops conducted at the Institute during the year.

Marketing and Public Relations

Marketing

The 1987-88 year showed a steady growth of interest from the corporate sector in the marketing area. With the amalgamation of the Australian Institute of Sport and the Australian Sports Commission recently, the marketing and public relations role has now increased considerably to embrace some of the Sports Commission's programs, including Aussie Sports, and assist other areas in their pursuit of private sector support.

The broadening of the marketing area has allowed the Institute to offer a greater range of community based programs which have been developed by the Australian Sports Commission over recent years. Some of these programs offer excellent commercial value and complement the range of Australian Institute of Sport programs which have been based more on elite sports.

Once again during this year the Australian Institute of Sport was successful in negotiating its biggest ever single sponsorship with Johnson & Johnson Australia Pty Ltd. It was also the first involving a joint Australian Institute of Sport and national sporting body with both parties benefiting substantially. Johnson & Johnson Australia Pty Ltd have agreed to sponsor the Australian Institute of Sport and the All Australia Netball Association's Netball programs with \$150 000 per annum for three years. In addition to this cash sponsorship, the company will be spending a comparable amount in supporting and promoting the sport nationally, the results of which have already commenced with the recent Trinidad and Tobago versus Australia Johnson & Johnson Netball Cup.

As well as this major sponsorship, the Australian Institute of Sport continued to attract corporate support and recent additions include the Commonwealth Bank and Gestetner with the Cricket Academy in Adelaide, Drake and MBF with the Diving Unit in Brisbane, the National Campaign Against Drug Abuse with Basketball and Track and Field plus Goodman Fielder and Gillette.

The Australian Institute of Sport has continued to pursue its product endorsement role in support of the very successful partnership that exists with Kelloggs. New agreements have been negotiated with a new Australian Institute of Sport endorsement drink plus the launch of a new health bread called 'GOLD MEDAL', as a joint Australian Institute of Sport and Goodman Fielder project with strong Australian Institute of Sport endorsement. These arrangements not only add to the Australian Institute of Sport's profile in the marketplace but give the consumer an opportunity to benefit from the research and development areas of sports science and medicine at the Australian Institute of Sport with corporate support.

The Marketing Department continues to develop more opportunities for commercial associations with recent additions including perimeter signage around the venues at the Australian Institute of Sport in Canberra plus a greater awareness and marketing thrust in our branches in Perth, Adelaide and Brisbane to attract locally based sponsors.

Other areas of commercial associations include:

- corporate and commercial support of the Australian Institute of Sport generally in one of its specific sports programs;
- product endorsements of Kellogg's 'Sustain';
- provision of scholarships in any of the sixteen sports;
- special event sponsorships e.g. Seiko and Australian Institute of Sport Track and Field meet;
- special projects including research projects, and publications such as 'Excel';
- perimeter signage at various venues; and
- a 'Friends of the Institute' program for those who would like to support the Australian Institute of Sport at a modest level. A list of 'Friends' is at appendix 9.

Public Relations

This year has seen the greatest public relations efforts into the marketplace to dovetail with the build-up of the 1988 Seoul Olympics. The Marketing and Public Relations area has jointly pursued as many opportunities as are available. These have included:

- a new 'Sustain' commercial with strong Australian Institute of Sport association;

- feature articles in leading magazines including 'Woman's Day', 'New Idea' and TV Week;
- series on the Australian Institute of Sport on the popular children's television shows of 'Wombat' and 'Ridgey Didge';
- a storyline feature on the Australian Institute of Sport on the series 'Neighbours' which was filmed at the Australian Institute of Sport during May for four days;
- new community service commercials involving Grant Kenny and Lisa Curry-Kenny, to be shown across Australia;
- Valvoline 'Say No To Drugs' community service campaign featuring Australian Institute of Sport athletes; and
- numerous interviews and features on major metropolitan TV, radio and press, all with a strong Australian Institute of Sport association.

The considerable demand in the Public Relations area for access to the Institute, its programs, athletes, coaches, sports science and medicine personnel and administrators has demonstrated the high profile the organisation has established in Australia with excellent credibility attached to it. The Institute is confident the Seoul Olympics will add to this in emphasising its role in Australian sport.

The Australian Institute of Sport Shop

The Australian Institute of Sport Shop has established itself as a focal point for visitors to the Institute. All the Australian Institute of Sport tours commence and finish at the Shop thereby providing an ideal opportunity for the public to purchase Australian Institute of Sport souvenirs. The success of the shop continues to increase awareness in the marketplace and the results continue to grow, highlighting the increasing numbers of people visiting the Australian Institute of Sport and the demand for Australian Institute of Sport souvenirs.

Although there are physical limitations to any further expansion of the shop at this stage a mail order facility has been considered for Institute materials as well as the possibility of adding the Aussie Sports goods to the shop's range of merchandise.

Tour Program

The Australian Institute of Sport has now become one of Canberra's popular tourist attractions. The number of tours visiting the Australian Institute of Sport continues to rise due to an extensive advertising campaign through schools, colleges, bus companies and the Canberra Tourist Bureau. During the past twelve months over 50 000 people have visited the Australian Institute of Sport on organized or public tours. This has resulted in the appointment of a full-time tours coordinator to train the tour guides and ensure the efficient operation of the tours program. Tour guides are Australian Institute of Sport resident athletes specifically trained for the purpose and are very well received by the public generally. The guides are issued with a uniform and are paid per tour. The 'self guided' tour continues to be popular for those unable to take an organised tour. The continued success of the tour program is reflected in the results of the Australian Institute of Sport shop's trading figures. Tour groups pay for the guided tours adding to the Institute's overall revenue.

Computer Services

The major goals of the Information Systems group are:

- to provide athletes, coaches and sports scientists with up to date tools for the collection and analysis of data, and
- to make available systems that can be used to promote the efficiency of the administration of the Institute.

The utilisation of computer technology brings various benefits to different areas of the organisation. Within scientific aspects of the Institutes work, automation is an essential and integral part of data collection, processing, and analysis. Much of the work regularly carried out would be extremely slow without the use of computer techniques while other processes would be virtually impossible. In the administrative arena the advantages lie in the increased levels of efficiency that can be achieved. With the use of word processing and the application of database techniques a higher productivity can be realised than would otherwise be feasible using conventional methods. Another gain is the capacity of automated systems to analyse financial and other data, providing a valuable management and planning tool.

Over the past twelve months the development of administrative systems has proceeded with several new applications being installed, while some emphasis was able to be given to the training of users during the temporary employment of a resident athlete with computer training experience. Also, a new minicomputer system was installed in the Indoor Stadium to run packages purchased for Facilities Booking and for Maintenance Management. Sports Science computing development included programming for Psychological testing, and equipment deliveries for Biomechanics and Physiology.

The network connecting the Information Centre, the Residences, Administration and the various sports facilities on the Canberra site, has been extended by increasing the number of terminal printer lines available in the Administration building and by allowing dial-up access from microcomputers purchased for inter-state centres in Adelaide, Brisbane and Perth. Within the Sports Science and Sports Medicine building a new high speed network has been installed which will greatly improve the the communications between the experimental computers and the main computing facility. Performance of the main computer has been poor because of increasing use. The problem was eased for a while with the installation of a Micro VAX 2000 to share the workload, but replacement of the main machine is required when funds can be made available.

The computing facilities have an impact on many areas of the organizations work. Listed below are a range of projects that have been implemented or are currently under development.

Coaching

A number of coaches now have microcomputers to provide them with word processing, database and spreadsheet facilities. Some also have access to information on the main computer system.

Sports Science and Sports Medicine

Two Micro Vax computers have been delivered to replace the aging PDP 11 computers used for real-time data acquisition and analysis in both Physiology and Biomechanics. These machines should greatly improve the speed and

sophistication with which data from athletes can be collected. However, delays in the delivery of a couple of critical components resulted in computing staff only now commencing the software development required. The Physiology machine, which includes a graphics display, was donated by Digital Equipment Corporation.

Biomechanics have installed a Micro PDP-11/53 as part of the Vicon 3D data capture system. Computing staff assisted in setting up the computer and in installing software.

A database system has been developed for Psychology to maintain and analyse test results. Databases are also planned for Physiology, to store and analyse a wide range of test results, and for Sports Medicine, to allow storage and statistical analysis of patient records.

Administration

Packages used in administration areas range from word processing to Residence reservations. Some microcomputer users have access to the network to allow document transfer and the sharing of laser printers. The merger with the Sports Commission has also bought several desk top microcomputer systems running data bases and mailing lists.

New applications installed include registry, personnel, residence bookings, a stores system and desktop publishing software for preparation of leaflets and small magazines. The finance package, installed last year, is proving successful, with work presently being done to allow on-line access to current budget details from all sections, including the inter-state centres.

Information Centre

The integrated library package, which provides an automated cataloguing and circulation system, has been augmented with the addition of a module to give athletes and coaches access to catalogue information from terminals. Software is being developed to allow details of Australian sports articles to be sent via magnetic tape to a Canadian sports information database. The recently installed journal articles data base package was developed for the Information Centre by a software house.

The Australian Institute of Sport computer facility addresses many different requirements of the Institutes work; giving rapid access to a wide range of information.

Digital Equipment Corporation has continued to supply generous sponsorship to the Institute. This has consisted of both a substantial discounting agreement and the donation of a computer to be used in the physiology laboratory.

Facilities

As outlined in the Strategic Plan, the goals relating to the management of the Institute's complex in Canberra are to ensure that its facilities are of the highest possible standard and meet the training requirements of Olympic and other high profile international sports and to promote the use of all Institute facilities to maximise revenue, consistent with the primary objectives of the Institute. It also aims to encourage community use of facilities for sporting and general purposes consistent with the overall objectives of the Institute and its primary, day to day operations. Other aims are to ensure that the maintenance of safety aspects of the facilities are of an appropriate standard and to seek to develop additional facilities in Canberra in accordance with the needs of the sports.

In striving to achieve these goals, 1987-88 has been most successful in financial and operational terms. The following highlights are of particular interest.

Income from community use of the facilities was \$1 096 059, an increase of 40.98 per cent over 1986-87, and a significant achievement against the income of \$729 157 in 1985-86, the year during which the Institute assumed management responsibility for the Complex.

As a result of increased promotional activity there was a most satisfactory increase in the use of the complex for major events, particularly for commercial entertainment and conferences.

A Chief Engineer was appointed to plan, oversight, implement and evaluate all matters relating to maintenance and other engineering and building work associated with the complex.

Due to energy management measures undertaken over the past two years there have been considerable savings in electricity and gas usage.

Finance

Income from the hire of facilities, as described above, amounted to \$1 096 059. Considering that the Institute itself uses many of the facilities for training and competition in prime time, this was a very pleasing result. In addition to increased promotional activity, the revenue achieved was also attributable to improved trading through food and beverage outlets throughout the complex and an increased community use of the pool and tennis centre.

Expenditure for the financial year was \$4 360 786, a 29.52 per cent increase over 1986-87. However, there was a total of \$577 300 spent on one off projects to establish a maintenance cell, relocation costs associated with the amalgamation of the Australian Sports Commission and the Australian Institute of Sport and on 1986-87 commitments. Expenditure was therefore comparable, in adjusted terms, with that for 1986-87.

A comparison with 1986-87 on a facility by facility basis shows the areas where revenue has increased.

Area	1986-87		1987-88	
	\$	%	\$	%
Outdoor Stadium/ Warm up track	35 937	4.6	42 967	3.92
Indoor Arena/ Gymnasium	227 942	29.3	350 857	32.01
Swimming and Tennis Centre	333 371	42.9	430 000	39.23
Sports Training Facilities	129 810	16.7	117 678	10.74
Concessions	41 577	5.4	122 472	11.17
General	8 814	1.1	32 058	2.93
Totals	777 451	100.0	1 096 059	100.0

Administration

During the year the Facilities Branch had thirty full time staff supplemented by casual staff at weekends, special events and to cover holidays and staff leave.

With increased demands on the complex, an additional person was appointed to liaise with prospective hirers and to operate the facility booking system. The computerised facility booking system will be operational early in 1988-89.

On 1 July 1987 the Institute was given full responsibility for the maintenance of the complex.

The Department of Administrative Services (Construction Group) was contracted to provide a day labour service and to administer a range of maintenance and service contracts. Under this arrangement, a tradesman, a maintenance officer and a maintenance clerk were contracted on site.

A computerised maintenance management system and appropriate hardware has been selected and will be implemented from early 1988-89. The introduction of this system will enable the Institute to plan its maintenance program and to analyse maintenance, building and equipment costs.

During the year the National Capital Development Commission undertook an upgrading program to overcome some design and technical problems and changes in usage patterns within the complex. The major aim of this program was to ensure that the Institute's long term maintenance and operational costs were reduced and occupational health and safety issues addressed.

Building improvements

A range of minor improvements were made to the complex during the year to maximise opportunities for additional revenue or to enhance operational efficiency. These included the purchase of ceiling drapes, curtains and floor covering for the indoor area and the provision of additional emergency exits in the indoor area to increase permitted capacity for entertainment events. Other minor improvements were the upgrading of concession outlets. Additional office partitions and improvements in administrative areas have been undertaken following the amalgamation of the Institute and the Australian Sports Commission.

Major events

The complex continued to attract a wide range of sporting events from local to international levels, conferences, dinners and major entertainments. Of the total revenue, \$350 857 or 32.01 per cent was from the indoor arena while \$430 000 or 39.23 per cent was from the Swimming and Tennis Centre.

Indoor Arena

Over 94 000 people attended fifteen entertainments held during the year. The highlight was the 'Great Moscow Circus of '88' which attracted 49 061 people to twelve performances held over nine days; an average of over 4 000 per performance. The other fourteen concerts included those by John Farnham, Stevie Wonder, Midnight Oil, Cliff Richard, John Denver, Richard Clayderman and Icehouse. Audiences for these totaled 40 337; an average of 3 661 per performance.

Over the past two years the conference and convention market has been targeted and during 1987-88 major conferences were held, attracting over 30 000 people. Some included conference dinners for over 700 people which makes the Indoor Arena Canberra largest 'dining room'.

The Unisys Canberra Cannons played six games of the 1987 National Basketball League season and eleven games of the 1988 season at the Indoor Arena. The total attendance was 55 354 with the average crowd being 3 492 for 1987 and 3 128 for 1988.

Other major events held during the year were the Pacific Indoor Soccer Cup, Tai Chi — Wushu Troupe, Local Merchants Market, Greek Community Concert, Veteran Car Club Rally and the Australian Judo Championships.

National Outdoor Stadium/Warm Up Track

This facility was used primarily by the Institute track and field squad for training and by the ACT Athletics Association for training and competition. During the year the major athletic events were the Under 16 and Under 18 Australian Track and Field Championships, the Australian Institute of Sport Seiko International Track and Field Meet and a number of school championships at both secondary and college levels.

Other major users of the facility were the ACT Veterans Athletics Association, ACT Little Athletics and the Canberra City Griffins. The Australian Institute of Sport team also used the Stadium for its home game against teams in the National State Soccer League.

Swimming and Tennis Centre

The swimming and tennis centre continues to provide the highest proportion of income from facilities. While the centre is used extensively by the Institute's swimming and water polo squads, there is nevertheless considerable use of the centre by the general community, schools and local swimming and water polo organisations.

During the year the centre was the venue for the Uncle Toby's international swim challenge, the Royal Life Saving Society's National Championships, the AUSSI Masters National Swim Meet and the NSW Country Water Polo Championships. There were over forty carnivals conducted during the year.

Sports training facility

The Canberra sporting community continued to make extensive use of the Basketball and Netball Hall and the Outdoor Synthetic Pitch when not required by the Institute for training and competition. The major users were the ACT Basketball Association, the ACT Netball association, the ACT Indoor Soccer Association and the Men's and Women's Hockey Associations.

Major events conducted during the year were the Esanda Australian Women's Hockey Championships, the Commonwealth Weightlifting Championships, the ACT Powerlifting Championships, the Good Neighbour Volleyball Tournament and the Australian Under 15 Hockey Championships. A number of conferences were held in the theatre which is becoming a popular venue for this purpose.

Section II — Operation and Administration

Organisation

Structure

The Institute was officially opened on Australia Day, 26 January 1981. For its first six years, 1981–1987, the Institute functioned as a public company, incorporated under the Australian Capital Territory's Companies Ordinance. Policy was determined by a Board of Management, the first Chairman of which was the ex-Olympian, and now member of the executive board of the International Olympic Committee, Mr Kevan Gosper.

The Institute was established to train elite sportspeople and, at the same time, to provide educational and vocational opportunities for young athletes.

As at 30 June 1988, the formal structure of the Institute was still established according to the *Australian Institute of Sport Act 1986*. This formal organisational structure is set out in appendix 11.

Under this structure, three major divisions report to the Director of the Institute, the administrative and service sections, sports science and sports medicine and the residential sports areas.

These included:

The administrative and service areas:

- Sports administration
- Facilities
- General administration
- National sports information
- Marketing and public relations
- Publications
- Residential services

The sports science and medicine area:

- Medical services
- Physiotherapy
- Physiology and Biochemistry
- Biomechanics
- Sport Psychology

The residential sports program:

The sixteen residential sports which operated at the Australian Institute of Sport as at 30 June 1988; details of sport scholarships are given in appendixes 1, 2, 5 and 6. The sports included cricket and canoeing which were added in January 1988. Ten of the sports were based at the Australian Institute of Sport in Canberra. Hockey was based in Perth, squash and diving in Brisbane, canoeing in Maroochydore and cycling and cricket in Adelaide.

The Institute hockey unit was assisted with an annual cash contribution from the Western Australian Government. Office accommodation was provided free

of charge by the Western Australian Department of Sport and Recreation. The Department of Human Movement Studies at the University of Western Australia provided sport psychology and physiology support.

In Brisbane, the squash and diving unit had office accommodation provided by the Brisbane City Council at the Sleeman Sports Complex at Chandler. The training venue for the squash unit at the QEII Sports Complex was also provided by the Brisbane City Council. The Squash and Diving programs have also been assisted by the Queensland State Government through the Division of Sport.

The cricket and cycling units in Adelaide received support from the South Australian Government through the South Australian Institute of Sport.

In addition to its Canberra based program, weightlifting had a satellite program at the Hawthorn Weightlifting Centre in Melbourne, under the direction of coach Paul Coffa. Additionally, many of the sports have satellite coaches who are assisted by the Institute and who provide athlete support and information at a local level.

Legislation and strategic planning

On 1 January 1987, under the *Australian Institute of Sport Act 1986*, the status of the Institute was altered to that of a statutory authority. Under the Act there was provision for the appointment of a Board of Management by the Federal Minister for the Arts, Sport, the Environment, Tourism and Territories. In August 1987 the Commonwealth Government made a decision to rationalise Federal assistance to sport, and this resulted in the merger of the Institute and the Australian Sports Commission. The new organisation will be titled the Australian Sports Commission and will operate for specific functions under the name 'Australian Institute of Sport'. The relevant legislation will be enacted during the 1988–89 financial year.

In 1987 a strategic plan was written and published under the title of 'Strategic plan 1988 and beyond'. The preparation of this plan was undertaken in pursuance of section 12 of the *Australian Institute of Sport Act 1986*. It endeavoured to translate the objectives of that Act into strategic goals and to determine how far the Institute had progressed and where it was heading over the next three years. Based on the strategic plan, an annual operational plan was to be developed which would take into account the financial and human resources available. The operation of the strategic plan was, however, overtaken by the announcement of the merger with the Australian Sports Commission. On the enactment of the legislation bringing about this merger, a new strategic plan for the Australian Sports Commission will be prepared, embracing the strategic planning, development and evaluation of the Institute of Sport.

Objectives and Functions

The Objectives of the Institute as set out in the *Australian Institute of Sport Act 1986* are:

- to provide resources, services and facilities to enable Australians to pursue and achieve excellence in sport while also furthering their educational and vocational skills and other aspects of their personal development;
- to improve the sporting abilities of Australian generally through the improvement of the standard of sports coaches; and
- to foster cooperation in sport between Australia and other countries through the provision of access to resource services and facilities related to sport.

The functions of the Institute are:

- to devise and implement programs for the recognition and development of persons who excel, or who have the potential to excel, in sport; persons who have achieved, or who have the potential to achieve, standards of excellence as sports coaches, umpires, referees or officials to the conduct of sport;
- to establish, manage, develop and maintain facilities for the purposes of the Institute;
- to provide sports medicine services and sports science services to persons participating in Institute programs and to undertake research related to sports medicine and sports science;
- to collect and distribute information, and to provide advice on matters related to the activities of the Institute;
- to raise money for the purposes of the Institute by appropriate means, having regard to the proper performance of the other functions of the Institute; and
- for the purpose of fostering cooperation in sport between Australia and other countries, to provide access to persons from other countries to the resources, services and facilities of the Institute.

Contacts and access to information

Information regarding the Australian Institute of Sport and its operations can be obtained, in the first instance, from the National Sport Information Centre, Australian Sports Commission, PO Box 176, Belconnen ACT 2616, or by phoning the Librarian, Greg Blood, at the Centre on (062) 52 1327.

Published material can be obtained from the Centre or from the Manager, Publications, Brian Brown, or the Assistant Manager, Guy Miklenda, at the same address or by phoning (062) 52 1455 or 1375.

Information on the activities of the Board itself, or material required under the Freedom of Information Act can be requested from Carrie Steffan, Secretariat, Australian Sports Commission, who can be contacted by phone (062) 521374.

Materials available from the Institute upon request include limited numbers of leaflets on residential sports, leaflets on information services available from the National Sport Information Centre, a booklet on information on the Australian Institute of Sport. Copies of a book on life at the Institute of Sport, 'Track Record', are available. A charge for this book applies. Copies of current and previous annual reports are also available as are copies of 'Sportschat', a monthly newsletter of the Institute.

Details of scholarships and application forms are available from Sports Administration upon request. Senior administration staff at the Institute as at 30 June 1988 was as follows:

Deputy Chairman of the Institute	Mr Ron Harvey CVO Responsible for overall administration;
Acting Director, sports	Dr Ross Smith Directly responsible to the Deputy Chairman for Sports Coordination, Sports Science and Medicine, National Sports Program, Residential Sports, Coaching and State Branches;

Assistant Director, corporate services	Mr Bob Hobson Directly responsible to the Deputy Chairman for finance, personnel, facilities, computing, secretariat and residential services;
--	---

Manager, marketing and public relations	Mr John Purnell Directly responsible to the Deputy Chairman for public relations, sponsorships, Australian Institute of Sport shop sales and tours;
---	--

Manager, Elite Sports Program Mr Ken Norris, responsible for the management of three sub-programs:

National Sports program	Mr Peter Topp, arrangements for Program which uses Institute facilities for visiting sports
-------------------------	---

Sports administration	Dr Jean Roberts
-----------------------	-----------------

Athletes education and welfare	Mr John Gilbert and Mr John McNeil
--------------------------------	------------------------------------

The manager, finance and accounts, Mr John Barker, was also responsible for the Travel sub-section which was controlled by Ms Pam Windsor. Personnel and services, which included typing services and registry, were managed by Ms Joan Faull. The head of typing services was Ms Polly Wallace, while registry services were managed by Ms Margaret Morton. The manager, facilities, Mr Laurie Jackson, was responsible for operations, new works, security, promotion and maintenance of Institute facilities. The Institute security officer was Mr Alan Hodge. The Manager, residences, Mr Brian Hunter, was responsible for all aspects of their maintenance and operation and all aspects of computer management and operation was the responsibility of the manager, computing, Mr Colin Macintosh. Secretariat services were provided for the Institute by Ms Carrie Steffan.

Internal audit was carried out by the firm of Price Waterhouse. The coordinator of sports medicine and sports science, and the director of medical services was Dr Peter Fricker. His senior staff as at 30 June 1988 included:

Administration officer	Mr Don Wright
------------------------	---------------

Physician	Dr Ken Maguire
-----------	----------------

Head, physiotherapy	Mr Craig Purdom
---------------------	-----------------

Senior scientist/	Dr Dick Telford
-------------------	-----------------

Head, physiology and applied nutrition	
--	--

Head, biomechanics	Dr Bruce Mason
--------------------	----------------

Head, sport psychology	Mr Jeffery Bond
------------------------	-----------------

Working to the Acting Director, sports, were also the head coaches, the track and field coordinator and the state branches. The coaching staff at the Institute as at 30 June, 1988 was as follows:

Basketball head coach	Adrian Hurley
-----------------------	---------------

men's coaches	Patrick Hunt
---------------	--------------

	Phil Smyth
--	------------

women's coach	Jenny Cheeseman
---------------	-----------------

Canoeing head coach	Brian Trouville
Cricket head coach	Jack Potter
coach	Peter Spence
Cycling head coach	Charles Walsh
Diving head coach	Bruce Prance
coach	Stephen Foley
Gymnastics — men	
head coach	Warwick Forbes
assistant coaches	Weishun Tian John Curtin
— women/artistic	
head coach	Ju-Ping Tian
assistant coach	Mark Carlton
dance teacher	Stephanie Burrige
Hockey — men	
head coach	Richard Aggiss
coach	Terry Walsh
— women	
head coach	Brian Glencross
coach	Pam Glossop
Netball head coach	Wilma Shakespear
coaches	Gaye Teede Susan Hawkins
Rowing head coach	Reinhold Batschi
coaches	Robert Marlow Peter Shakespear
Soccer head coach	Ron Smith
coach	Gary Cole
Squash head coach	Geoff Hunt
coach	Heather McKay
assistant coach	Jeff Wollstein
Swimming head coach	Bill Sweetenham
men's coach	Terry Gathercole
women's coaches	Bernie Mulroy Judy Hudson

Tennis head coach	Ray Ruffels
coaches	Peter Campbell Natalia Leipu Geoff Damm
sports conditioner	
Track and Field coordinator	Peter Bowman
coaches	Pat Clohessy Craig Hilliard Merv Kemp Norm Osborne Effim Shuravetsky Fletcher McEwan
Water Polo head coach	Charles Turner
coach	Don Cameron
Weightlifting head coach	Lyn Jones
coach	Harry Wardle
coach (Victoria)	Paul Coffa

Coaches may be contacted at the Institute (062) 52 1111 or by mail to PO Box 176 Belconnen ACT 2616.

Leaflets giving details of Institute athletes and coaches for individual sports are available for most sports upon request from the Publications, Public Relations or Information areas. The administrative managers at State branches can be contacted as follows:

Brisbane	Mr David Keating Australian Institute of Sport Brisbane Sleeman Sports Complex Aquatic Centre Chandler Queensland 4155 phone: (07) 245 5555
Adelaide	Mr Brendan Flynn Australian Institute of Sport Adelaide 213 Henley Beach Road Torrensville SA 5031 phone: (08) 354 0155
Perth	Mr Peter Crowe Australian Institute of Sport Perth Commonwealth Hockey Stadium Curtin University Hayman Road Bentley WA 6102 phone: (09) 488 5355

Administration

Secretariat

The Secretariat provides administrative and secretarial support to the Board and its Standing Committees. Decisions and records of Board meetings are centralised in the Secretariat which also coordinates the various activities initiated by the Board and its committees.

The Board established committees as follows:

- *Executive Committee* to provide advice on the administration of the Institute;
- *Standing Committee on Marketing, Public relations and Facilities* to provide advice on all aspects of the facilities and marketing aspects of the Institute;
- *Standing Committee on Sports Science, Sports Medicine and Applied Research* to provide advice on all aspects of the Institute's sports science and sports science medicine programs and the national sports research program;
- *Standing Committee on Elite Sports Development* to advise on all aspects of the sports programs relating to elite athletes and coaches;
- *Standing Committee on Sport for All* to advise on all aspects of community sports development;
- *Standing Committee on Children in Sport* to advise on all aspects of children's participation in sport; and
- the *Women's Sports Promotion Unit* to advise on all aspects of the National Policy and Plan on Women in Sport.

The Board has also established an *Ethics Committee* to consider and report on the ethical implications of research projects at the Institute.

These committees meet, on average, three times each year and report directly to the Board.

In 1988 the Board completed a review of all resident sports programs which resulted in new four-year programs being agreed to with sporting federations and commencing in July 1989. The review also resulted in the admission of Rugby Union and Canoeing as residential programs of the Institute. Assistance to a number of other sports was also enhanced.

In addition to servicing the Board, the Secretariat has responsibility for handling Ministerial correspondence and briefing papers, and Parliamentary questions.

The Section is also the Freedom of Information contact for the Institute. Requests under the Freedom of Information Act should be addressed to:

The Freedom of Information Contact Officer
Australian Institute of Sport
PO Box 176
Belconnen ACT 2616
Telephone: (062) 521 374

Personnel

During 1987-88, the Personnel section underwent a structural change, with the services and finance functions being combined.

The Personnel section continued its service to Institute staff in the traditional areas of salaries, conditions of service and recruitment. Specific achievements of note are given below.

Office Structures Review

The Australian Institute of Sport followed the Australian Public Service in participating in the Office Structures Review, which was approved by the Department of Industrial Relations in December 1987.

The implementation of the Review requires close examination of each office based position (now called Administrative Service Officer) in order to ensure that the aims of the Review are satisfied. This is an on-going task, involving consultation with staff associations and significant involvement with the individual staff concerned. The emphasis is on providing a variety of tasks and skills in job performance; training and development form an integral part.

Occupational Health and Safety

In 1987-88 the Institute, with the guidance of the National Safety Council of Australia, set up an interim Occupational Health and Safety Committee. Its first meeting was held on 27 August 1987. Members of the committee have attended training sessions and two members attended a Diploma course conducted by the National Safety Council of Australia. The Institute's Occupational Health and Safety policy was issued by the Deputy Chairman, Mr Ron Harvey, on 6 November 1987.

As a result of the first grading audit carried out by the National Safety Council, the Institute was awarded a one star rating on the five star Health and Safety Management System. The Phase two grading audit will be conducted in November 1988. A position in the Facilities branch has been allocated duties associated with safety and servicing the Occupational Health and Safety Committee.

Staff Development

Staff continued to benefit from professional development and training. A staff member from the Sports Medicine unit was granted ten months study leave to enhance his qualifications and knowledge. Other staff from various areas have attended training courses on supervision, team building and effective writing. In addition, staff attended many short courses, conferences and workshops.

Amalgamation

Under legislation which is expected to be passed early in 1989, the Australian Institute of Sport will merge with the Australian Sports Commission to become one organisation. Sports Commission staff moved into the Institute complex in November 1987. While both organisations are effectively operating as one, the structure of the new organisation — to be known as the Australian Sports Commission — is yet to be finalised.

Second Tier Salary Increase

Most categories of staff had been awarded salary increases under the second tier of the National Wage Case principles by 30 June 1988, though there were some cases pending at that time. Despite the fact that Institute staff have classifications equivalent to those in the Australian Public Service, separate justification had to be made for them to qualify for applicability under the relevant awards.

Institute Staffing levels as at 30 June 1988

	part-time	full-time
executive	—	3
coaching	1	34
administration	12	23
sports science	3	13
sports medicine	4	10
marketing & public relations	2	7
sports administration	—	12
residence	10	14
information centre	—	4
facilities	2	29
totals	34	149

Finance and Services

The Finance and Services Section began the year with the following objectives:

To support the Institute's programs by:

- providing accurate and timely financial and statistical information in a meaningful format;
- developing and implementing sound financial policy and procedures;
- sound cash management through the timely payment of accounts and recovery of debts balanced against maximising income from investments;
- coordinating and preparing budget estimates within set timeframes and other limits imposed and ensuring that available funds are distributed in such a way as to allow programs to meet their objectives;
- effectively managing the physical and financial resources of the Institute and sustaining and improving support services to other programs.

The Section has gone a long way towards achieving these objectives and will continue to work towards them through 1988-89.

A new financial accounting software package which was successfully system tested in the previous financial year was brought 'on-line' from 1 July 1987 and was a major factor in achieving the level of success attained in fulfilling our objectives. The system assists not only by automating many accounting functions but also by providing a readily accessible database of financial information.

The system has the ability to report by 'cost centre'. The cost centre structure was established to provide a mechanism for extracting information to report to management and to Parliament on a 'Program' basis.

In accordance with the *Australian Institute of Sport Act 1986*, the Minister approved the estimates of the Institute in the following broad program structure.

Sport	\$8.300m
Sports Science/Medicine	\$2.025m
Facilities	\$3.650m
Corporate Services	\$3.541m

A detailed program dissection for 1987-88 is shown at Table 1. The total budget available to the Institute in 1987-88 was \$17.5m. The budget is composed of the following elements:

Government Appropriation	\$13.447m
Revenue from Other Sources	\$2.751m
Carry-Over from 1986-87	\$1.361m
Total	\$17.559m*

* (small amount resulting from additional surplus revenue not allocated to programs)

1987-88 represents the second year of a three year agreement with the Department of Finance in which the likely level of Government funding was set assuming no change in the function of the Institute or major change in direction by Government. Revenue targets were also set and, as per the agreement, revenue in excess of these targets may be retained by the Institute, however, any shortfall would need to be covered by the Institute. These targets are to be adjusted annually by the appropriate deflator advised by the Department of Finance.

Table 2 shows the revenue targets set for the three years commencing 1986-87, the same targets adjusted by the deflator and the actual outcome for 1986-87 and 1987-88. A graphical representation of these figures is at Table 3.

Revenue Targets 1986 1986-87 to 1988-89

	1986-87	1987-88	1988-89
Original Target	\$1.500m	\$1.800m	\$2.100m
Adjusted by Deflator	\$1.500m	\$1.923m	\$2.366m
Actual Outcome	\$1.717m	\$2.458m	—

Table 2

Table 4 shows the proportional break-up of budget sources between Government Appropriation and other revenue on a comparative basis over the last three years, while Table 5 shows the sources of non-Government revenue over the same period.

During the year, the Finance Section took on responsibility for the General Services functions (other than word processing). A major impact on both the Finance and Services areas was the transfer of the Australian Sports Commission staff from their city office to the Bruce site pending formal amalgamation of the Institute and Commission (expected late in 1988-89). Services staff were involved in planning and arranging suitable accommodation for around 28 additional people and their furniture and records as well as coordinating the move while Finance and in particular, the Budgets Sub-Section has been involved in accounting for both bodies and reporting to a joint Board both on an individual and combined basis.

All areas of the Section, Budgets, Accounts, Travel, Registry, Supply and Transport have absorbed additional workload with the amalgamation. The Budgets and Accounts Sub-Section had a busy year in which over 36 000 transactions including payments, receipts and journals were posted to the general ledger. The Budgets Sub-Section is responsible for allocating and reporting on available funds within the limitations and guidelines set by Government and the Board. The Accounts Sub-Section is responsible for the accounting functions of the Institute including the receipt and payment of all moneys and the processing of purchase orders. It provides an efficient service to coaches, athletes and staff and ensures the timely payment of accounts to maintain the Institute's good standing in the business community.

The Travel Sub-Section too provides an efficient service to coaches, athletes and staff including travel and accommodation bookings and the calculation of allowances. A large portion of a sport's competition budget is generally allocated for travel in an effort to redress the disadvantage of distance from world class competition venues. Itineraries can be complex, may be to locations not generally on the regular traveller's beat and often change many times before a team is finally on its way.

The Registry is the information repository for the Institute. During the year, a computerised file database was installed to increase the information retrieval capacity of the staff.

The Supply and Transport areas provides a range of services to all programs from operating the Central Store to ferrying athletes to and from school. Computers have also found their way into the Store with a custom written stores control package currently being system tested. The area is also responsible for a fleet of twenty-one vehicles including cars, trucks, vans, utilities and buses.

TABLE 1

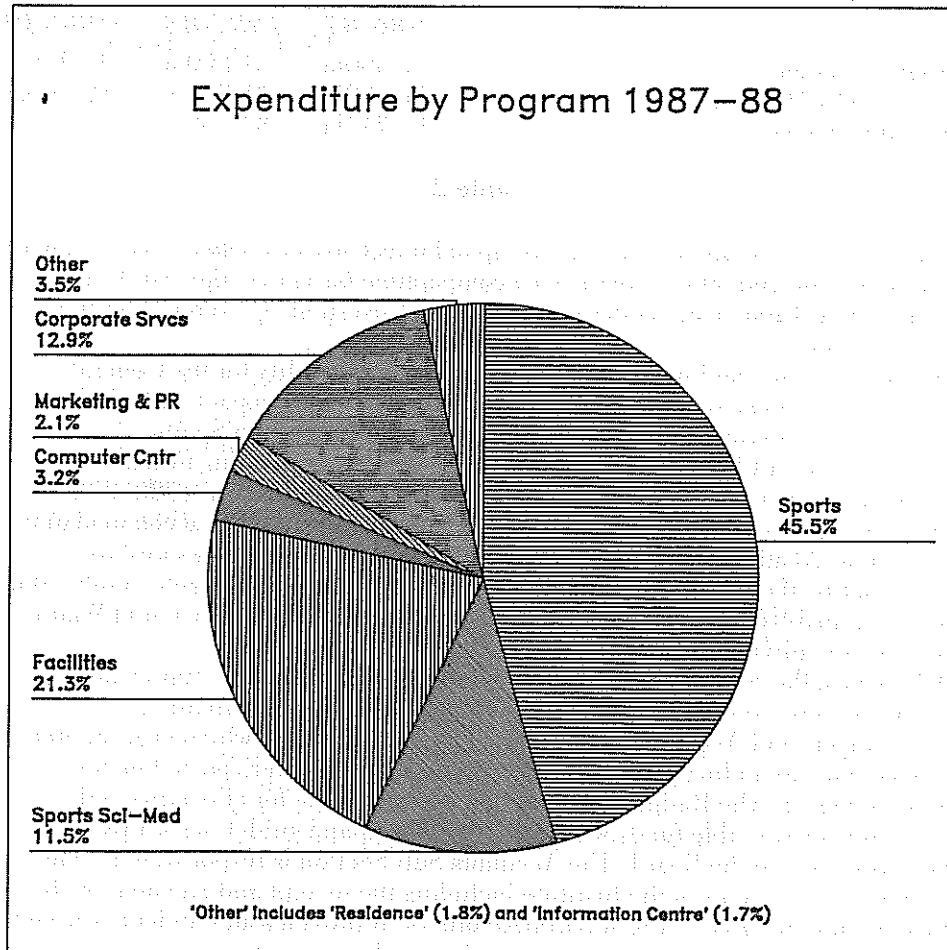


TABLE 3

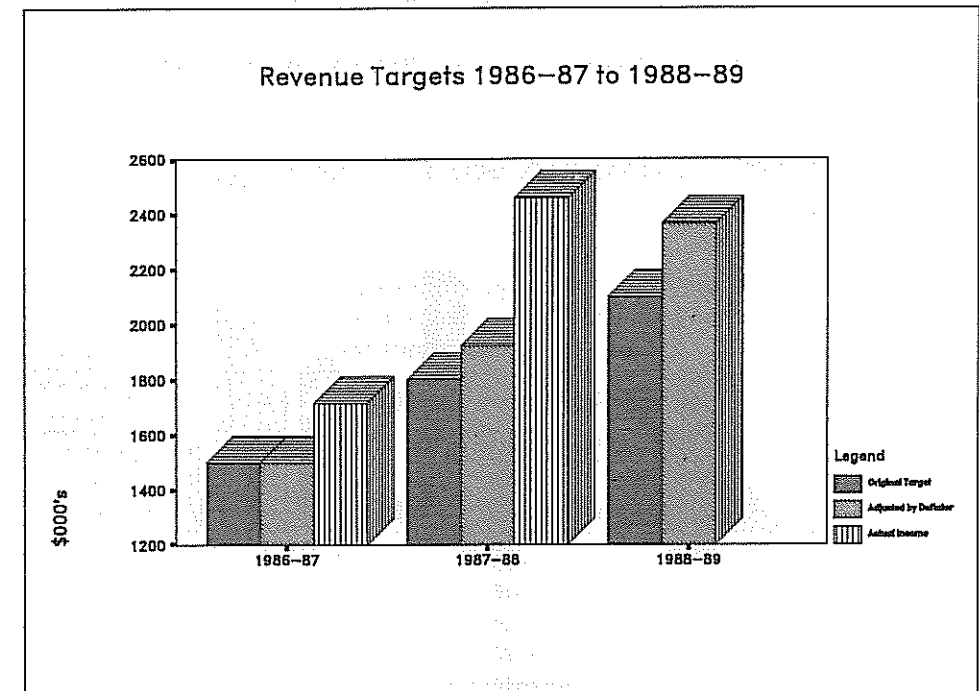


TABLE 4

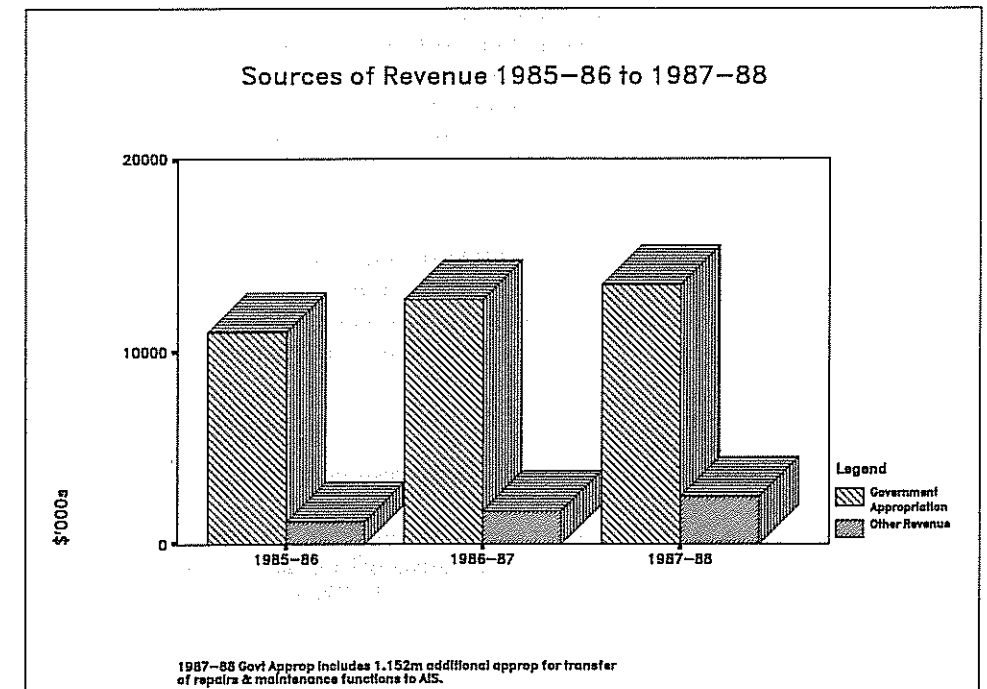
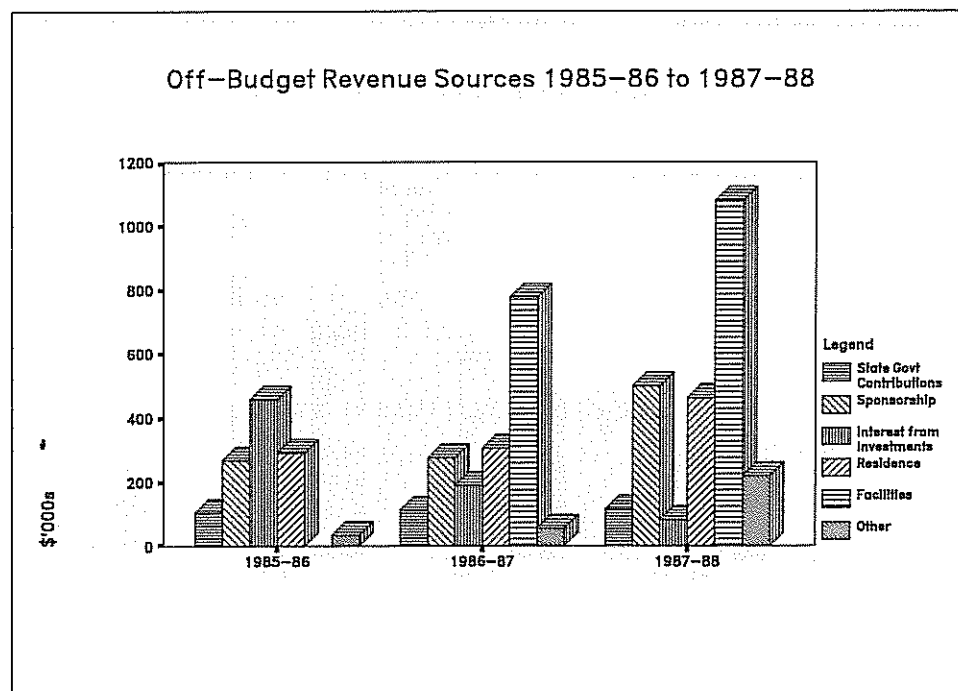


TABLE 5



Section III — Finance

Report of the Board of the Australian Institute of Sport

The Board of the Australian Institute of Sport (AIS) presents its Report together with the Financial Accounts of the AIS for the financial year ended June 30, 1988 and the Auditor's Report thereon.

Members in Office at the date of this Report are:

Professor John Bloomfield	Chairman
Mr Ron Harvey	Deputy Chairman
Mr Ray Beattie	Member
Mr John Coates	Member
Ms Elizabeth Darlison	Member
Mr Herb Elliott	Member
Mr Lindsay Fox	Member
Mr Ted Harris	Member
Mr Roy Masters	Member
Mr Peter Montgomery	Member
Mrs Margaret Pewtress	Member
Mr Michael Wenden	Member

Principal Activities

The principal activities of the AIS in the course of the financial year were to provide high level coaching, facilities and opportunities for high performance athletes in basketball, canoeing, cricket, cycling, diving, gymnastics, hockey, netball, rowing, rugby union, soccer, squash, swimming, tennis, track and field, waterpolo and weightlifting and for further sports through the National Sports and Satellite Sports Programs.

State of Affairs

The *Australian Institute of Sport Act (1986)* and the *Australian Institute of Sport (Consequential Provisions) Act (1986)* were passed through the Parliament in October, 1986. On Proclamation the former Australian Institute of Sport was dissolved as a Company and established as a Statutory Authority with effect from 1 January 1987.

Review of Operations

Canoeing and Rugby Union were introduced as additional sports during 1987-88.

The Repairs and Maintenance functions for all AIS facilities at Bruce were transferred from the former Department of Housing and Construction to the AIS with effect from 1 July 1987. The transfer gave the AIS full responsibility for the effective and efficient management of the National Sports Centre facilities at Bruce, ACT.

The Government has approved the merger of the Australian Sports Commission and sports functions of the Department of the Arts, Sport, the Environment, Tourism and Territories with the AIS. New legislation is in preparation to formalise the merger. In the interim, all staff were relocated to the Institute at Bruce, ACT in November 1987 and those functions that could be rationalised within existing legislation have been merged. Common services provided by the Institute for merged functions are reflected in these accounts.

Events Subsequent to Balance Date

The *Australian Sports Commission Bill* (1988) has been tabled and is expected to be proclaimed by the end of the 1988-89 financial year.

Members' Benefits —

Since the end of the previous financial year, no member of the Board of the AIS has received or become entitled to receive a benefit (other than a benefit included in the aggregate amount of emoluments received or due and receivable by the Members of the Board of the AIS shown in the Accounts or the fixed salary of a full-time employee of the AIS) by reason of a contract made by the AIS or a related corporation with such a member or with a firm of which he is a member or with a company in which he has a substantial financial interest.

SIGNED at Canberra this Nineteenth day of December 1988
in accordance with a resolution
of the Board of the AIS

Professor John Bloomfield
Chairman

Mr Ron Harvey
Deputy chairman

Auditor's Report



AUSTRALIAN AUDIT OFFICE

Cnr Moore and Hudd Streets, Canberra, A.C.T. 2601.

Address correspondence to:
Auditor-General
G.P.O. Box 707, Canberra 2601
Telephone: 48 4711
Telegrams: 'Comaudit'
Telex: 61653 Comaud
Vocalex: 47 6337

Please quote

F88/17

21 December 1988

The Honourable the Minister for
the Arts, Sport, the Environment,
Tourism and Territories
Parliament House
CANBERRA ACT 2600

Dear Minister

AUSTRALIAN INSTITUTE OF SPORT
AUDIT REPORT ON FINANCIAL STATEMENTS

Section 38 of the Australian Institute of Sport Act 1986 declares the Australian Institute of Sport to be a public authority to which Division 2 of Part XI of the Audit Act 1901 applies. Pursuant to sub-section 63H(2) of the Audit Act, the Institute has submitted for audit report its financial statements for the year ended 30 June 1988. They comprise a statement of revenue and expenditure, balance sheet, statement of sources and applications of funds and notes to and forming part of the accounts.

The statements have been prepared in accordance with the policies outlined in note 1 to the accounts and are based on the Guidelines for the Form and Standard of Financial Statements of Commonwealth Undertakings approved by the Minister for Finance. The statements are in the form approved by the Minister for Finance pursuant to sub-section 63H(1) of the Audit Act. A copy of the financial statements is enclosed for your information.

These statements have been audited in conformance with the Australian Audit Office Auditing Standards.

In accordance with sub-section 63H(2) of the Audit Act, I now report that, except as mentioned below in relation to Non-Current Assets - Plant and Equipment, the statements are in agreement with the accounts and records of the Institute and, in my opinion:

- are based on proper accounts and records
- show fairly the financial transactions of the Institute for the year ended 30 June 1988 and the state of affairs of the Institute as at that date, and
- except as referred to in note 27 to the accounts, the receipt, expenditure and investment of moneys, and the acquisition and disposal of assets, by the Institute during the year have been in accordance with the Australian Institute of Sport Act 1986.

Non-Current Assets - Plant and Equipment

The last full stocktake undertaken by the Institute was at 30 June 1985. Due to weaknesses in the asset recording systems and the impending amalgamation of the Institute with the Australian Sports Commission, the Institute commenced a complete stocktake of plant and equipment in February 1988 (see note 24 to the accounts). At the time of signature of this report, the stocktake was not sufficiently advanced to enable verification of the \$4,296,773 figure for plant and equipment in the financial statements. Accordingly, I am unable to determine if that figure is materially accurate.

Yours sincerely
Australian Audit Office

M.J. Jacobs
First Assistant Auditor-General

Certificate by the Board of the Australian Institute of Sport

In the opinion of the Board of the Australian Institute of Sport (AIS) the accompanying statements of the AIS, which have been made out in accordance with the *Guidelines for the Form and Standard of Financial Statements of Commonwealth Undertakings* approved by the Minister for Finance:

- (i) Show fairly the operations of the AIS for the year ended 30 June 1988;
- (ii) Show fairly the state of affairs of the AIS as at 30 June 1988;
- (iii) at the date of this statement there are reasonable grounds to believe that the AIS will be able to pay its debts as and when they fall due.

Dated at Canberra this Nineteenth day of December 1988

and signed in accordance
with a resolution of the Board of the Australian Institute of Sport

Professor John Bloomfield
Chairman

Mr Ron Harvey
Deputy chairman

Australian Institute of Sport Statement of Revenue and Expenditure For the Year Ended 30 June 1988

Revenue	<i>Note</i>	<i>1987-88</i> \$	<i>1986-87</i> \$
Commonwealth Appropriation		13 490 876	12 455 000
— Recurrent Expenses		—	250 000
— Capital Works and Services		—	—
		<hr/> 13 490 876	<hr/> 12 705 000
Less transfer of capital appropriation to Accumulated Capital	1b	1 577 228	1 048 461
		<hr/> 11 913 648	<hr/> 11 656 539
State Contributions	2	183 845	131 600
Sponsorship	1g,3	621 934	276 238
Income from Facilities Usage	4	1 130 900	777 452
Income from Investments	1d	82 613	189 301
AIS Shop	1i	257 898	45 077
Residence Income		459 979	305 742
Special Grants	19	153 443	119 324
Net Gain from sale of Non Current Assets		41 377	7 507
Sundry Income	5	124 239	65 847
		<hr/> 3 056 228	<hr/> 1 918 088
TOTAL REVENUES		<hr/> 14 969 876	<hr/> 13 574 627

EXPENDITURE

Salaries and associated payments	6	4 958 794	4 565 264
Provision for Leave	1e	755 472	659 956
Doubtful debts		37 505	-
Superannuation	7	657 439	609 009
Provision for 3% superannuation	7	36 500	-
Travelling and subsistence	8	1 788 578	1 827 532
Expenses of the Board	9	97 729	82 148
Professional Services	10	423 510	232 691
Scholarships	11	964 713	851 233
Hire of facilities	12	29 678	18 365
National Training Centre Program	13	537 781	404 296
Coaching Development-Satellite Program	14	204 438	137 388
AIS Shop Expenses	1i	218 968	55 677
Residence operating expenses	15	816 325	782 981
Facilities operating expenses	16	2 302 481	1 628 973
Computer Expenses		347 248	163 630
Information Centre Expenses		127 183	56 310
Sports Laboratory Expenses	17	396 376	275 928
Administrative and other expenses	18	790 754	366 399
Special Grants	20	171 922	110 631
Depreciation	1c	1 130 237	981 247
Paralympics Appeal		125 000	-
TOTAL CURRENT EXPENDITURE		16 918 631	13 809 658
Net Surplus-(Deficit) transferred to Accumulated Capital		(1 948 755)	(235 031)

The accompanying notes form an integral part of these statements.

Australian Institute of Sport Balance Sheet as at 30 June 1988

	Note	1988	1987
		\$	\$
ACCUMULATED CAPITAL			
Balance 1 July		5 226 707	2 774 201
Add:			
Surplus-(Deficit) transferred from Statement of Revenue and Expenditure		(1 948 755)	(235 031)
Capital Appropriation	1b	1 577 228	1 048 461
Capital equipment in-kind	3	29 057	23 718
Assets transferred from the Department of Sport Recreation and Tourism	1b	-	1 615 358
Accumulated Funds as at 30 June		4 884 237	5 226 707
This is represented by:			
CURRENT ASSETS			
Cash			
Cash at Bank and on hand		841 681	1 556 192
Receivables			
Sundry debtors	188 541		
less provision for Doubtful debts	37 505	151 036	218 774
Accrued income		141 730	56 658
Other			
Prepayments	22	207 822	140 326
Standing salary advance	23	400 000	-
Stock on hand		72 624	71 692
Trading Stock — AIS Shop		109 897	45 619
TOTAL CURRENT ASSETS		1 924 790	2 089 261

	Note	1988 \$	1987 \$
NON-CURRENT ASSETS			
Plant and Equipment	24		
Furniture and Fittings		1 012 147	1 043 072
Computer Hardware		790 799	548 027
Motor Vehicles		445 878	266 913
Sports laboratory equipment		422 408	557 569
Training equipment		306 296	218 733
Information Centre		231 345	177 182
Facilities equipment		1 061 207	1 319 907
Other equipment		26 693	32 821
		<u>4 296 773</u>	<u>4 164 224</u>
Buildings and Property	24		
Buildings		279 857	243 562
Leashold Improvements		141 067	-
		<u>420 924</u>	<u>243 562</u>
TOTAL NON-CURRENT ASSETS		<u>4 717 697</u>	<u>4 407 786</u>
TOTAL ASSETS		<u>6 642 487</u>	<u>6 497 047</u>
CURRENT LIABILITIES			
Creditors and borrowings			
Sundry creditors		333 955	75 917
Provisions:			
For long service leave	1e	90 000	14 889
For recreation leave	1e	556 273	441 191
For 3% superannuation	7	12 000	-
Other			
Income in advance		24 956	77 839
Accrued expenses	25	474 969	454 125
TOTAL CURRENT LIABILITIES		<u>1 492 153</u>	<u>1 063 961</u>
NON-CURRENT LIABILITIES			
Provisions:			
For 3% superannuation	7	24 500	-
For long service leave	1e	241 597	206 379
TOTAL NON-CURRENT LIABILITIES		<u>266 097</u>	<u>206 379</u>
TOTAL LIABILITIES		<u>1 758 250</u>	<u>1 270 340</u>
NET ASSETS		<u>4 884 237</u>	<u>5 226 707</u>

The accompanying notes form an integral part of these statements.

Australian Institute of Sport Statement of Sources and Applications of Funds for the Year Ended 30 June 1988

Note	1987-88 \$	1986-87 \$
SOURCES OF FUNDS		
FUNDS FROM OPERATIONS		
Inflows of funds from operations		
State Contributions	183 845	131 600
Sponsorship	621 934	276 238
Income from Facilities Usage	1 130 900	777 452
Income from Investments	82 613	189 301
AIS Shop	257 898	45 077
Residence Income	459 979	305 742
Special Grants	153 443	119 324
Sundry Income	124 239	65 847
Other revenue		
Proceeds from sale of non-current assets	206 014	55 736
Funds from Government Commonwealth appropriations Recurrent	11 913 648	11 656 539
	<u>26</u>	<u>15 134 513</u>
Outflows of funds from operations	15 159 559	12 216 684
	(25 046)	1 406 172
FUNDS FROM GOVERNMENT		
Commonwealth Appropriation	1 577 228	1 048 461
Capital items		
REDUCTION IN ASSETS		
Current Assets		
Cash at bank and in hand	714 511	-
Prepayments	-	48 822
Debtors	67 738	-
Standing salary advance	-	782 249
		<u>370 000</u>
Non-current Assets		
Plant and equipment	164 637	48 229

Note	1987-88		1986-87	
	\$	\$	\$	\$
INCREASE IN LIABILITIES				
Current liabilities				
Sundry creditors	258 038			
Income in advance			74 129	
Accrued expenses	20 844	278 882	36 932	111 061
TOTAL SOURCES OF FUNDS		2 777 950		3 032 745
APPLICATIONS OF FUNDS				
INCREASE IN ASSETS				
Current Assets				
Prepayments	67 496			
Cash at bank and in hand			1 282 920	
Stock on hand	932		47 577	
Trading stock-AIS shop	64 278		45 619	
Debtors			122 480	
Standing salary advance	400 000			
Accrued income	85 072	617 778	19 648	1 518 244
Non-current Assets				
Plant and equipment	1 373 863		798 461	
Buildings and property	203 365		250 000	
		1 577 228		1 048 461
		2 195 006		2 566 705
REDUCTION IN LIABILITIES				
Current liabilities				
Income in advance	52 883			
Sundry creditors		52 883	24 843	24 843
Recreation leave paid		492 951		433 634
Long service leave paid		37 110		7 563
TOTAL APPLICATIONS OF FUNDS		2 777 950		3 032 745

The accompanying notes form an integral part of these statements.

Australian Institute of Sport Notes to and Forming Part of the Accounts for the Year Ended 30 June 1988

Note 1

Statement of Significant Accounting Policies

The principal accounting policies adopted by the AIS are stated to assist in a general understanding of these Financial Statements. These policies have been consistently applied by the AIS except as otherwise indicated.

a. Basis of accounting

The Institute's statements have been prepared on the basis of historical cost and therefore do not reflect changes in purchasing power of money or current valuations of non-monetary assets.

The AIS is mainly funded from appropriation and is subject to the Minister for Finance's *Guidelines for the Form and Standard of Financial Statements of Commonwealth Undertakings* being required to keep accounts in accordance with commercial practice.

b. Capitalisation of Assets

Assets purchased during 1987-88 were capitalised if they had a value in excess of \$100 or were bulk items with an individual value less than \$100 but had significant overall value.

Expenditure on capital items funded by Appropriation is transferred to Accumulated Capital in the Balance Sheet.

Assets transferred to the Institute from the Department of Sport Recreation and Tourism following the amalgamation of the former National Sports Centre with the Institute were brought to account as at 1 July 1986 at their written down value at that date.

c. Depreciation of fixed assets

Fixed assets are depreciated over their estimated useful lives using the straight line method.

d. Investments

The Institute banks with the Australia and New Zealand Banking Group Limited and funds not immediately required are invested by way of term deposit or 11 am call account. Interest income is brought to account through the Statement of Revenue and Expenditure.

e. Employee entitlements

The Australian Institute of Sport is an approved authority for the purpose of Long Service Leave (Commonwealth Employees) Act 1976 and Section 47E of the Public Service Act 1922. The Institute is also a prescribed body under Part IV of the Public Service Act 1922.

Provision for long service leave has been recognised in the accounts for those employees with a minimum of ten years service. Recreation leave has been accrued on a pro-rata basis. The provision for long service leave listed under current liabilities relates to long service leave which is expected to be taken within twelve months of balance date.

f. Income tax

Since 1 January 1987 the AIS has been exempt from taxation by virtue of Section 39 of the Australian Institute of Sport Act 1986. Accordingly no provision for income tax is necessary in the financial statements.

g. Sponsorships

Sponsorships are brought to account as and when received.

h. Land and Buildings

Ownership of all land and buildings at the Bruce A.C.T. site of the Institute is vested in the Commonwealth.

The Institute is responsible for the running costs of all facilities.

i. AIS Shop

An AIS shop was opened in December 1986 to provide a focal point for tourists and sell souvenirs and related items. The shop was progressively stocked and was not fully operational until late in the 1986-87 financial year.

j. Transfer of Functions

The Government has approved the merger of the Australian Sports Commission and sports functions of the Department of the Arts Sport the Environment Tourism and Territories with the AIS. New legislation is in preparation to formalise the merger. In the interim all staff were relocated to the Institute at Bruce A.C.T. in November 1987 and those functions that could be rationalised within existing legislation have been merged. Common services provided by the Institute for merged functions are included in these accounts primarily under Administrative and other expenses (Note 18).

	1987-88	1986-87
		\$
Note 2		
State Contributions — Contributions to Decentralised Units		
Queensland	58 200	58 200
South Australia	56 645	19 000
Victoria	12 000	—
Western Australia	57 000	54 400
	<u>183 845</u>	<u>131 600</u>

To assist in running the Diving and Squash Units located in Brisbane the Queensland Government and Brisbane City Council provided facilities and services free of charge having an estimated value of \$110 000 (\$100 600 in 1986-87):

- Sleeman Sports Complex-Office accommodation cleaning and power diving pool
- QE II Sports Centre — squash courts training track and weight gym.

To assist in running the Cycling and Cricket units in Adelaide the South Australian State Government through the South Australian Institute of Sport provided facilities coaching services Sports Science-Medicine services and administrative support free of charge having an estimated value of \$71 645 (\$40 000 in 1986-87).

To assist in running the Hockey Unit in Perth the West Australian State Government through the Department for Youth Sport and Recreation provided facilities free of charge having an estimated value of \$31 490 (\$31 500 in 1986-87).

1987-88 1986-87
\$ \$

Note 3

Sponsorship

Cash Sponsorship		
Sponsors	432 730	166 006
Endorsements	125 611	100 232
Scholarships	13 750	10 000
Signage	49 843	—
	<u>621 934</u>	<u>276 238</u>
Capital equipment In-kind		
Computer hardware	29 057	23 718

In addition training equipment computer software motor vehicle hire medical items and wearing apparel were received by way of sponsorship in kind. The assessed value to the AIS was \$464 045 (\$205 075 in 1986-87) based on suppliers' wholesale prices.

Note 4

Income from Facilities Usage

Indoor Stadium	392 284	269 519
Outdoor Stadium	45 031	35 937
Aquatic-Tennis centre	430 474	333 371
Stewart Training Facility	117 681	129 811
Other	145 430	8 814
	<u>1 130 900</u>	<u>777 452</u>

Note 5

Sundry Income

Rental of premises and equipment	6 043	17 812
Commissions received	7 043	7 699
Tours of AIS complex	30 289	9 419
Repayments from former years	1 016	20 764
Sundry	79 848	10 153
	<u>124 239</u>	<u>65 847</u>

Note 6

Salaries and Associated Payments

Salaries		
Administration	1 814 300	1 600 456
Coaches	1 562 444	1 409 077
Sports Science-Medicine	678 143	659 268
Inoperatives	—	12 024
Facilities	621 153	550 567
Allowances	208 671	173 185
Overtime-Meal Allowances	74 083	38 741
Payroll Tax	—	121 946
	<u>4 958 794</u>	<u>4 565 264</u>

**Note 7
Superannuation[0m**

The AIS was specified as an "approved authority" for the purposes of the Superannuation Act 1976 effective from 19 February 1981. Permanent staff are required to contribute to the Commonwealth Superannuation Scheme and contract staff may elect to contribute.

An employer contribution at the rate of 20.5% of salaries for superannuation purposes has been paid since 1 July 1986 following a review of rates conducted by the Australian Government Actuary as part of a general review of contribution rates for all Commonwealth Statutory Authorities. A further review of rates is to be conducted during 1988-89 and will take effect from 1 July 1989.

An employer contribution of 1.5% of salaries has been provided for estimated liabilities under the interim 3% Superannuation Benefit arrangement.

	1987-88	1986-87
	\$	\$
Note 8 Travelling and Subsistence		
Administration	88 352	82 559
Sports Science-Medicine	39 310	34 022
Basketball	131 846	125 244
Canoeing	30 488	-
Cricket	22 772	12 509
Cycling	97 289	54 027
Diving	57 217	62 889
Gymnastics	91 329	135 607
Hockey	110 651	170 236
Netball	106 999	104 831
Rowing	106 455	149 035
Soccer	59 379	60 504
Squash	44 586	70 252
Swimming	208 586	208 562
Tennis	160 253	154 213
Track and Field	222 855	191 532
Water Polo	66 151	72 053
Weightlifting	77 380	91 248
Overseas visiting coaches-athletes	22 768	4 798
General sports travel	-	2 095
Professional development	43 912	41 316
	<u>1 788 578</u>	<u>1 827 532</u>

**Note 9
Expenses of the Board**

Travel and accommodation	45 784	41 451
Sitting fees	41 639	29 347
Miscellaneous	10 306	11 350
	<u>97 729</u>	<u>82 148</u>

Other than in the case of the Director and Deputy Chairman the Board of the AIS consists of part time members.

The expenses comprising this item exclude the emoluments received by the Director and Deputy Chairman which are included in Salaries and Associated Payments (Note 6). No commissions or bonuses were paid to any member of the Board of the AIS in 1987-88.

	1987-88	1986-87
	\$	\$
Note 10 Professional Services		
Legal expenditure	16 261	18 750
Consultants fees	166 411	70 012
Auditors remuneration — Auditing services (The auditors receive no other benefit)	59 595	45 213
	<u>242 267</u>	<u>133 975</u>
Promotions and Marketing	181 243	98 716
	<u>423 510</u>	<u>232 691</u>

**Note 11
Scholarships**

Athletes home travel	84 845	94 789
Accommodation *	473 787	382 848
Local travel	49 012	46 244
Educational	55 170	83 154
Phone charges	40 780	39 119
Miscellaneous expenses	59 113	14 973
Training equipment	195 830	185 303
Special scholarships	-	3 504
Other allowances	6 176	1 299
	<u>964 713</u>	<u>851 233</u>

* All A.C.T. based athletes not living in private accommodation are accommodated in AIS residential accommodation (see note 15 for the running costs of the AIS residence).

**Note 12
Hire of facilities**

Hire of other facilities	10 751	1 622
Hire of facilities — Perth	18 927	16 743
	<u>29 678</u>	<u>18 365</u>

	1987-88	1986-87
	\$	\$
Note 13		
National Training Centre Program		
Contributions towards the cost of camps	534 793	351 095
Administrative Expenses	2 988	53 201
	<u>537 781</u>	<u>404 296</u>

Technical assistance provided in past years on a contractual basis is now provided in-house and included in salaries (note 6).

Note 14
Coaching Development-Satellite Program

Coaches	120 438	68 786
Regional Institute — Wollongong	18 000	18 000
Hawthorn Weightlifting	26 000	32 500
Table-tennis Academy — Victoria	20 000	—
Smallbore shooting Centre — Adelaide	10 000	—
Swimming coaches seminar-workshop	10 000	—
Gymnastics	—	18 102
	<u>204 438</u>	<u>137 388</u>

Note 15
Residence operating expenses

Cleaning	141 490	183 581
Energy	162 337	145 926
Repairs and maintenance	157 177	13 615
Food	407 762	383 388
Laundry	43 024	53 092
Linen	9 221	965
Waste disposal	3 226	6 091
Phone charges	10 495	2 494
Other expenses	38 558	25 505
Athlete Recreation	7 039	7 524
	<u>980 329</u>	<u>822 181</u>
Cost apportioned for use of Residence by casual visitors	(164 004)	(39 200)
	<u>816 325</u>	<u>782 981</u>

Note 16
Facilities operating expenses

	1987-88	1986-87
	\$	\$
National Sports Centre Facilities		
Electricity	419 092	369 202
Fuels	123 536	129 912
Cleaning	185 723	163 500
Repairs & maintenance	764 010	87 879
Horticulture	124 398	140 615
Pool chemicals	15 801	39 919
Lease improvements	7 483	55 479
Water rates	104 293	120 659
Security patrols	114 179	93 667
Other expenses	158 750	241 069
	<u>2 017 265</u>	<u>1 441 901</u>
Administrative Building running costs	109 783	54 988
Sports Laboratory Building running costs	175 433	132 084
	<u>2 302 481</u>	<u>1 628 973</u>

Repairs and Maintenance functions were taken over from the former Department of Housing and Construction from 1 July 1987. Corporate service components of Other expenses are now provided by the Corporate Services Branch and are reflected under Administrative Expenses.

	1987-88	1986-87
	\$	\$
Note 17		
Sports Laboratory Expenses		
Sports Science	116 655	91 294
Sports Medicine	180 498	124 445
Fellowships-Graduate scholarships	34 113	—
Adelaide	—	1 402
Brisbane	47 652	39 890
Perth	17 458	18 897
	<u>396 376</u>	<u>275 928</u>

	1987-88 \$	1986-87 \$
Note 18		
Administrative and other expenses		
Fringe Benefit Tax	23 476	12 441
Lease Improvements	3 975	3 390
Printing and Stationery	126 285	20 394
Typing Services	2 416	7 339
Photocopier	30 675	16 623
Freight	27 086	14 528
Advertising general	11 372	7 822
Telephone	240 625	155 252
Postage	43 931	45 505
Newspapers-Clipping Services	-	1 834
Running costs and hire of motor vehicles	83 312	58 328
Bank charges	7 186	10 327
Insurance	-	30 244
Compensation expenses	3 045	165
Staff Training	13 707	2 664
Staff uniforms	12 189	3 721
Staff amenities	-	457
Staff recruitment		
— Advertising-Interviews	19 784	21 842
— Travel-Removal expenses	58 580	24 668
Payroll services	3 438	3 850
Hire of indoor plants	1 239	2 445
Hospitality-Functions	15 282	16 983
Miscellaneous	32 299	16 705
Repairs and maintenance	5 407	1 749
Equipment Room	-	1 988
Events	9 895	4 000
Boat running costs	15 550	6 130
	790 754	491 394
Expense recovery (National Sports Centre)	-	(124 995)
	790 754	366 399

Common service expenses for the former National Sports Centre are reflected in Administrative and other expenses for 1987-88 following the take-over of that body. Common service items for the Australian Sports Commission following its relocation to the Institute site are also reflected in this item.

	1987-88 \$	1986-87 \$
Note 19		
Special Grants — Revenue		
Adolescent Development Study	3 000	3 000
Excel publication	46 983	36 223
Rexona — de Castella Grant	10 000	7 500
AANA Gweneth Benzie Award	1 270	-
NSWNA Award	1 190	600
UNISYS (Burroughs) Scholarship	-	20 000
McDonalds Tennis	30 000	27 000
Micronutrient Study — Vita Glow Pty Ltd	4 000	-
Australian Sports Commission		
— Rowing Study	10 000	-
— Fitness Profile Study — Repco	(3 000)	1 001
Australian Basketball Federation	20 000	5 000
Repco Scholarship	-	2 000
Blood study	-	12 000
ANZ — NTC assistant	-	5 000
Iron Study — Australian Meat & Live-stock Corporation	30 000	-
	153 443	119 324

	1987-88 \$	1986-87 \$
Note 20		
Special Grants — Expenditure		
Adolescent Development Study	1 654	6 321
Excel publication	55 413	40 027
Rexona — de Castella Grant	11 655	7 163
NSWNA — Award	600	-
UNISYS (Burroughs) Scholarship	900	5 627
McDonalds Tennis	21 000	22 026
Micronutrient Study	2 000	2 198
Volleyball Study	-	1 116
Fitness Profile Study	25 143	9 576
Pistol Shooting Study	11 093	9 121
Cycling Study	13 364	1 630
Rowing Study	2 994	-
Blood study	8 066	191
ANZ — NTC assistant	-	81
Australian Basketball Federation		
— assistant coach-staff	12 198	5 554
Repco scholarship	2 832	-
Iron Study	3 010	-
	171 922	110 631

Balances of Special Grants as at 30 June 1988 totalled \$104 780 (\$123 259 as at 30 June 1987)

	1987-88	1986-87
	\$	\$
Note 21		
Contingent Liabilities and Capital Commitments		
The Institute has received formal advice of legal action being taken by three former athletes against the Institute. The Institute is defending the action through its solicitors Mallesons Stephen Jacques and has been advised that it has a strong defence position.		
Capital commitments contracted but not provided for in these accounts	591 342	542 020
Note 22		
Prepayments		
Overseas travel	29 480	38 907
Scholarships accommodation-travel	50 227	6 621
Domestic travel	25 385	16 257
Administration expenses	10 340	24 930
Capital purchases	21 373	6 177
Wages	60 501	33 382
Other	10 516	14 052
	<u>207 822</u>	<u>140 326</u>

Note 23
Standing Salary Advance

The Institute utilises the Commonwealth Department of Finance payroll service. A condition of this service is that an advance be maintained in a Department of Finance trust account equal to one month's gross payroll during the year.

	400 000	-
--	---------	---

	1987-88	1986-87
	\$	\$
Note 24		
Non Current Assets		
Plant and Equipment		
Furniture and fittings	1 401 539	1 294 278
Less accumulated depreciation	389 392	251 206
	<u>1 012 147</u>	<u>1 043 072</u>
Computer hardware	1 120 743	716 639
Less accumulated depreciation	329 944	168 612
	<u>790 799</u>	<u>548 027</u>
Motor vehicles	511 093	363 910
Less accumulated depreciation	65 215	96 997
	<u>445 878</u>	<u>266 913</u>
Sports laboratory equipment	1 251 989	1 233 182
Less accumulated depreciation	829 581	675 613
	<u>422 408</u>	<u>557 569</u>
Training equipment	482 819	346 880
Less accumulated depreciation	176 523	128 147
	<u>306 296</u>	<u>218 733</u>
Information Centre	365 463	270 300
Less accumulated depreciation	134 118	93 118
	<u>231 345</u>	<u>177 182</u>
Facilities equipment	2 490 053	2 332 656
Less accumulated depreciation	1 428 846	1 012 749
	<u>1 061 207</u>	<u>1 319 907</u>
Other equipment	53 980	55 607
Less accumulated depreciation	27 287	22 786
	<u>26 693</u>	<u>32 821</u>
Total Plant and Equipment	7 677 679	6 613 452
Less accumulated depreciation	3 380 906	2 449 228
Total Net plant and Equipment	4 296 773	4 164 224

Depreciation of \$6 616 was incorrectly classified as Training equipment in 1986-87. This amount has now been shown under Furniture and fittings.

A major stocktake and review of assets policies is presently being undertaken in anticipation of the passing of new legislation and the subsequent transfer of assets to the new Commission (see note 1j). This process will not be finalised until early 1989. The stocktake was not sufficiently advanced at the time of preparation of these statements to enable verification of plant and equipment.

Asset policies and capitalisation limits will be reviewed as part of this process and it is anticipated that a number of assets may be written out of the assets register once this process is completed. No adjustments have been reflected in these accounts.

	1987-88	1986-87
	\$	\$
Buildings and Property		
Buildings	300 001	250 000
Less accumulated depreciation	20 144	6 438
	<u>279 857</u>	<u>243 562</u>
Leashold Improvements	153 364	—
Less accumulated depreciation	12 297	—
	<u>141 067</u>	<u>—</u>
Total Net Buildings and Property	<u>420 924</u>	<u>243 562</u>

Note 25

Accrued Expenses

Group Travel	82 885	75 579
National Training Centre	12 297	4 671
Audit Fees	16 400	11 425
Administration	65 834	70 623
Wages	141 092	85 592
Capital purchases	18 231	74 084
Scholarships	8 236	11 910
Information Centre	2 433	847
Medical supplies	776	4 000
Other	126 785	115 394
	<u>474 969</u>	<u>454 125</u>

Note 26
Reconciliation of operating result with funds from operations

Note	1987-88	1986-87
	\$	\$
Operating result	(1 948 755)	(235 031)
Add:		
Depreciation	1 131 737	981 247
Provision for long service leave	147 439	133 431
Provision for recreation leave	608 033	526 525
Provision for 3% superannuation benefit	7 36 500	1 923 709
	<u>(25 046)</u>	<u>1 406 172</u>
Funds from operations	(25 046)	1 406 172

Note 27

Breaches of the Australian Institute of Sport Act 1986

The following breaches have occurred:

Ministerial Approval of estimates — (sub-section 34(3) of the Australian Institute of Sport Act 1986)

Under sub-section 34(3) of the Australian Institute of Sport Act 1986 the money of the Institute shall not be expended otherwise than in accordance with estimates of expenditure approved by the Minister. During 1987-88 the Institute breached this sub-section as indicated below.

(i) Expenditure as at 30-11-87 exceeded estimates approved by the Minister on 30-6-87 by:

Program	Expenditure in Excess of Approved Estimate \$
Sport	211 095
Sports Laboratory	253 633
Facilities	18 168
Corporate Services	167 067
TOTAL	<u>649 963</u>

for expenditure on:

Salaries and related expenses	—
Administrative-Operational Expenses	841 413

Estimates approved on 30-06-87 were for Supply Appropriations only and did not include funds and commitments carried over from 1986-87. Such carry-over commitments were part of the 1986-87 estimates.

Annual estimates including carryovers were submitted for approval through the Department of the Arts Sport the Environment Tourism and Territories on 23-11-87 and approved by the Minister on 17-12-87.

(ii) Expenditure as at 30-06-88 exceeded estimates approved by the Minister on 26-4-88 for the items shown below although the estimate of total expenditure for the Institute was not exceeded.

Program	Expenditure in Excess of Approved Estimate \$
Sport	118 360
Sports Laboratory	193 745
Corporate Services	197 922
for expenditure on:	
Salaries and related expenses	—
Administrative-Operational Expenses	197 924

Revised estimates were submitted for approval through the Department of the Arts Sport the Environment Tourism and Territories on 16-6-88 and approved by the Minister on 11-7-88.

(iii) The Institute further breached sub-section 34(3) of the Act in that monies (\$218 968) being operating expenses of the AIS shop were not included in gross estimates of expenditure approved by the Minister.

These expenses were offset against shop income and the resulting net profit was declared as revenue from other sources.

Borrowing — (sub-section 36(2) of the Australian Institute of Sport Act 1986)

Under sub-section 36(2) of the Act the Institute shall not borrow money except in accordance with sub-section 36(1). During 1987-88 the Institute breached sub-section 36(2) on two occasions in that cheque accounts were overdrawn:

- General trading cheque account overdrawn \$13 667.82 on 6-6-88;
- Promoters cheque account overdrawn \$44.14 on 29-6-88.

In both instances sufficient monies were on deposit in overnight call or other related accounts to cover the overdrawn amounts. The accounts became overdrawn due to administrative oversights within the bank whereby procedures agreed to prevent accounts becoming overdrawn were overlooked.

Note 28

Trust Funds

The Board of Management has approved the establishment of three Trust Funds:

- The AIS Development Trust
- The Gary Knoke Memorial Scholarship Trust
- The AIS Assistance for Education Trust

The AIS Assistance for Education Trust has been approved in principle but is not yet operational.

Financial statements prepared on a cash accounting basis for the two Trust Funds operated during 1987-88 follow:

AIS Development Trust

Financial Statement for the year ending 30 June 1988.

	1987-88	1986-87
	\$	\$
Income		
Room Sponsorship	—	18 000
Interest *	20 168	16 838
Donations	2 062	—
	<u>22 230</u>	<u>34 838</u>
Expenditure	—	—
Excess of income over expenses	22 230	34 838
Add Accumulated Funds 1 July	143 686	108 848
Accumulated Funds at 30 June	<u>165 916</u>	<u>143 686</u>
Represented by:		
Cash-at-Bank	<u>165 916</u>	<u>143 686</u>
* Interest accrued as at 30 June but not brought to account	4 724	5 276

Gary Knoke Memorial Scholarship Trust
(Friends of the Institute)

Financial Statement for the year ending 30 June 1988

Income		
Seat Sponsorship	1 050	4 200
Donations	20	45
Interest	2 186	2 027
	<u>3 256</u>	<u>6 272</u>
Expenditure	—	1 847
Excess of Income over Expenses	3 256	4 425
Add Accumulated Funds at 1 July	16 802	12 377
Accumulated Funds at 30 June	<u>20 058</u>	<u>16 802</u>
Represented by:		
Cash-at-Bank	<u>20 058</u>	<u>16 802</u>
* Interest accrued as at 30 June but not brought to account	498	530
# Commitments contracted as at 30 June	1 018	1 018

Appendix 1

1987 Scholarship Holders

Basketball — Female

Valerie Ahwong
Tamara Allan
Sue Barker
Sandra Brondello
Andrea (Nina) Cass
Tania Clarke
Shelly Gorman
Lucille Hamilton
Julie Morton
Joanne Moyle
Cecelia Preece
Jenny Reisener
Anne Robilliard
Fiona Robinson
Teresa Salter
Karen Smith
Tina Stelzer
Julie Wilts

Basketball — Male

Tony Boniello
Mark Bradtke
Martin Clarke
Andrew Goodwin
Shane Heal
Peter Hill
Craig Irvine
Grant Kruger
Lucien Longley
Neil Turner
Andrew Vlahov
Paul Zadow

Cycling — Male

Mike Aisbitt
Robert Burns
Brett Dutton
Donna Gould
Wayne McCarney
Scott McGrory
Gary Neiwand
Dean Woods

Diving — Female

Valerie Beddoe
Kelly Doble
Julie Kent
Carol Sith
Peta Taylor

Diving — Male

Russell Butler
Anthony Lyons
Simon McCormack
Nathan Meade
Craig Rogerson

Gymnastics — Female

Monique Allen
Yasmin Crawshaw
Debbie Graham
Kellie Larter
Lee-Anne Murray
Jennifer Richardson
Leanne Rycroft
Clare Scotney
Kylie Shadbolt
Carolyn Stewart
Nicole Swan
Barbara Venieri
Katie Watts

Gymnastics — Male

Mark Bird
Shaw Byng
Grant Carlyon
Brennon Dowrick
Robert Edmonds
Peter Hogan
Nathan Kingston
Timothy Lees
Kenneth Meredith
Mark Mommsen
Stephen Mommsen
Glen Parker
Blaise Rizzo
Damian Smith
Russell Stevens

Hockey — Female

Tracey Belbin
Debbie Bowman
Sharon Buchanan
Lee Capes
Michelle Capes
Sally Carbon
Chris Dobson
Maree Fish
Rechelle Hawkes
Lorraine Hillas
Sue Hill
Sandra Johnstone
Jenny Kuhl

Cheryl Moss
Kathy Partridge
Jackie Pereira
Clare Prideaux
Fiona Simpson
Lindl Taylor
Liane Tooth

Hockey — Male

Tim Andrew
Warren Birmingham
Ashley Carey
Robbie Clarke
Andrew Deane
Stewart Dearing
Ingvan Dyrting
Graham Geid
Ashley Grummitt
Mark Hager
Neil Hawgood
Scott Jennison
Jay Stacy
Gordon Stimson
David Wansbrough
Ken Ward
Todd Williams
John Woodley
Michael York

Netball — Female

Diane Atkinson
Helen Carter
Carissa Dalwood
Tracey Finegan
Leith Fradd
Amanda Grassick
Yolanda Hearn
Cathy Ireland
Catherine Jennings
Jennie Longhurst
Marianne Murphy
Shelley O'Donnell
Wendy O'Donnell
Michelle O'Keefe
Michelle Oates
Maxine Peebles
Martine Poidevin
Conny Ritt
Kellianne Ruddy
Catherine Spottiswood
Kathryn Tagliabue
Catriona Wagg

Rowing — Female

Deborah Basset
Josephine Burnand
Lisa Garrett
Robyn Grey-Gardner
Kaylynn Jorgensen-Fry

Urszula Kay
Marilyn Kidd
Margaret Kitchin
Felicity McCall
Rachael McInnes
Keisha Salmon
Alison Worth

Rowing — Male

Malcolm Batten
Andrew Cooper
Andrew Cox
James Galloway
Richard Graham
Hamish McLachlan
Craig Muller
Glenn Myler
Richard Powell
Nicholas Sellars
Peter Tomanovits
Dean Watts
Paul Williams

Soccer — Male

David Clarkson
Alex Cummings
Alistair Edwards
Craig Foster
Paul Foster
John Gibson
Peter Gunning
David Healy
Steve Horvat
John Koch
Douglas Marcina
Greg Mills
David Mower
Dean Nicolaou
Jason Polak
Allan Riddell
Paul Welch

Squash — Female

Danielle Drady
Sarah Fitzgerald
Amanda Hopps
Liz Irving
Angela Johnson
Michelle Martin
Sally-Ann Robbie

Squash — Female

Austin Adarraga
Mark Carlyon
Ricky Curtis
Rodney Eyles
Anthony Hill
Dean Mason
Shaun Moxham
Adam Schreiber

Swimming — Female

Jaye Bulter
 Dimity Douglas
 Phillipa Downes
 Lisa Fildes
 Michelle Gallen
 Jacki Grant
 Karen Lord
 Kellie Lownes
 Jody McGibbon
 Jenny Messenger
 Audrey Moore
 Donna Procter

Swimming — Male

Craig Boettcher
 Ian Brown
 Robert Bruce
 Martin Davies
 Peter Gee
 Robert Gera
 Cameron Greenaway
 Scott Hamlet
 Brent Harding
 Colin Irvine
 Rodney Lawson
 Paul Lee
 Paul Lord
 Cid Mateo
 Ian McAdam
 Michael McKenzie
 Martin Roberts
 Dominic Sheldrick
 Simon Upton
 David Wilson
 Rob Woodhouse

Tennis — Female

Michelle Bowrey
 Karen Deed
 Jo-anne Faulk
 Sally McCann
 Kate McDonald
 Rachel McQuillan
 Kristine Radford
 Rennae Stubbs

Tennis — Male

Adam Anderson
 Johan Anderson
 Richard Fromberg
 Paul Lord
 Jamie Morgan
 Jason Stoltenberg
 Carl Turich
 Todd Woodbridge

Track and Field — Female

Nicole Boegman
 Vanessa Browne
 Susan Cook
 Kerith Duncanson
 Sharon Ellis
 Astra Etienne
 Jane Flemming
 Penelope Garner
 Sharon Jaklofsky-Smith
 Robyn Lorraway
 Angela Luchetti
 Kerry Saxby
 Bernadette Serone
 Lisa-Marie Vizaniara
 Kim Wilson
 Krishna Wood

Track and Field — Male

Paul Anderson
 Stuart Andrews
 Simon Baker
 Peter Beames
 John Caliguri
 David Culbert
 Colin Dalton
 Anthony Ford
 Dolph Francis
 Kenneth Gordon
 Phillip Henderson
 Neil Honey
 Andrew Lloyd
 John McNamara
 Paul Nandapi
 Reid Pryor
 David Smith
 Don Wright

Water Polo — Male

Simon Asher
 Doug Cocking
 John Fox
 Mark Grooby
 Daniel Marsden
 Greg McFadden
 Ian McInnes
 Mark Oberman
 Paul Oberman
 John Ogilvie
 Michael Poot
 Troy Stockwell
 Andrew Taylor
 Andrew Wightman
 Nick Yiannakoudakis

Weightlifting — Male

Craig Blythman
 Warwick Bond
 Paul Harrison
 Russell Holloway
 Julian Jones
 Ron Laycock
 Jason Mortimer
 Daniel Mudd
 Thonroth Nhim
 Gary Parisi
 Jim Pavone
 David Radley
 Darren Rolph
 Chris Sharman
 Vince Squeo

Appendix 2

1988 Scholarship holders

Basketball — Female

Valerie Ahwong
Natasha Bargeus
Michelle Brogan
Michelle Gubbels
Lucille Hamilton
Cherie Hogg
Raquel Marsh
Tonya Mason
Julie Morton
Cecelia Preece
Katie Priest
Teresa Salter

Basketball — Male

Peter Booth
Brendan Day
Craig Evans
Andrew Goodwin
Craig Irvine
Grant Kruger
Leny Lembo
Matthew Reece
Patrick Reidy
Derek Schock
Neil Turner
Paul Widdis

Canoeing — Male

Shane Dalzeil
Grant Davies
Peter Foster
Paul Gilmour
Kelvin Graham
Martin Hunter
Grant Kenny
Bryan Thomas
Dean Waldhauser
Steven Wood

Cricket — Male

Darren Berry
Paul Carew
Jamie Cox
Peter Drinnen
Ian Frazer
Shane George
Timothy Hoffman
Stuart Law
Brian McFadyen
Geoffrey Parker
Scott Prestwidge
James Pyke

Joseph Scuderi
Ian Stenhouse
Adrian Tucker
Brett Williams

Cycling — Female

Jennifer Albrecht
Robyn Battison
Donna Gould

Cycling — Male

Robert Burns
Brett Dutton
Carey Hall
Bruce Keech
Mark Kingsland
Patrick Marcucci
Wayne McCarney
Stephen McGlede
Scott McGroary
Gary Neiwand
Dean Woods

Diving — Female

April Adams
Kelly Doble
Stephanie Fleming
Julie Kent
Carol Smith
Leah Smith
Peta Taylor

Diving — Male

Graeme Banks
Russell Butler
Tony Lawson
Simon McCormack
Craig Rogerson
Michael Tinley
Grant White

Gymnastics — Female

Monique Allen
Kellie Larter
Lisa Read
Jodie Rogers
Leanne Rycroft
Clare Scotney
Kylie Shadbolt
Carolyn Stewart
Katie Watts

Gymnastics — Male

Shaw Byng
Mark Bird
Grant Carlyon
Andrei Cleland
Brennon Dowrick
Robert Edmonds
Peter Hogan
Bret Hudson
Nathan Kingston
Timothy Lees
Kenneth Meredith
Mark Mommsen
Stephen Mommsen
Laszlo Montanni
Glen Parker
Damian Smith

Hockey — Female

Vanessa Barnes
Debbie Bowman
Sandra Buchanan
Sally Carbon
Jodie Faithfull
Maree Fish
Rechelle Hawkes
Sue Hill
Cheryl Moss
Kathy Partridge
Jackie Pereira
Sara Pickering
Clare Prideaux
Fiona Simpson
Liane Tooth
Debbie Wise

Hockey — Male

Lee Bodimeade
Ashley Carey
Robert Clarke
Stephen Davies
Simon Dawkins
Lachlan Dreher
Dean Evans
Paul Griffiths
John Hannaford
Des King
Paul Lewis
Andrew McDonald
Sean Muir
David Parker
Timothy Reid
Mark Rix
Jason Stacy
Colin Stewart
Chris Taylor
Todd Williams
Michael York

Netball — Female

Kylie Aggiss
Pettina Anderson
Diane Atkinson
Carissa Dalwood
Frances Duiker
Sharon Finnan
Leith Fradd
Lenore Furze
Susan Gill
Yolanda Hearn
Sally-Ann Lovell
Sonya McCarthy
Shelley O'Donnell
Wendy O'Donnell
Michelle Oates
Maxine Peebles
Kelly Ruddy
Julie-Ann Sloan
Kate Tagliabue
Catriona Wagg
Allison Wheatley

Rowing — Female

Deborah Basset
Katherine Dearden
Robyn Grey-Gardiner
Georgia Green
Sarah Ham
Courtney Johnstone
Kaylynn Jorgensen-Fry
Urszula Kay
Margot Mayfield
Gabriele Menzies
Celia Patterson
Fleur Spriggs
Cathrine Stock
Alison Worth

Rowing — Male

Alex Apostolou
Malcom Batten
Dale Catterson
Andrew Cox
Stephen Evans
Richard Finlayson
David Fogarty
Edward Hall
James Galloway
Ben Geier
Richard Graham
Anthony Lovrich
Gordon Mareks
Mike McKay
Hamish McLachlan
David McLeod
Craig Muller
Sam Patten

Ion Popa
 Nicholas Sellars
 Brenton Terrell
 James Tomkins
 Dean Watts

Soccer — Male

Gregory Dickinson
 John Gibson
 Shane Haddow
 Craig Hoogendoorn
 Steve Horvat
 Stephane Jee
 Dominic Longo
 Stefan Mautone
 Gregory Mills
 Shaun Murphy
 Deap Nicolaou
 Andrew Petterson
 Andrew Roberts
 Tony Telisman
 Paul Welch
 Nediljko Zelic

Squash — Female

Kellie Cuschieri
 Danielle Drady
 Sarah Fitzgerald
 Carole Redman
 Teena Hutchinson
 Michelle Martin
 Carol Owens

Squash — Male

Scott Butcher
 Mark Carlyon
 James (Ricky) Curtis
 Rod Eyles
 Anthony Hill
 Michael Joint
 Joseph Kneipp
 Rodney Martin
 Dean Mason
 Shaun Moxham
 Adam Schreiber
 Scott Spillane

Swimming — Female

Sheridan Burge-Lopez
 Phillipa Downes
 Janelle Elford
 Lisa Fildes
 Jacki Grant
 Nicole Livingstone
 Karen Lord
 Donna Procter

Swimming — Male

Robert Bruce
 Barry Gerber
 Brent Harding
 Darren Lange
 Rodney Lawson
 Ian McAdam
 Jason Plummer
 Martin Roberts
 Simon Upton
 David Wilson
 Rob Woodhouse

Tennis — Female

Jo-anne Faull
 Kelli-Anne Johnston
 Kate McDonald
 Nicole Pratt
 Kristin Godridge
 Rennae Stubbs
 Angela Woolcock

Tennis — Male

Adam Anderson
 Johan Anderson
 Richard Fromberg
 Jamie Morgan
 Jason Stoltenberg
 Carl Turich
 Todd Woodbridge

Track and Field — Female

Vanessa Browne
 Sharon Ellis
 Astra Etienne
 Jane Fleming
 Sharon Jaklofsky-Smith
 Angela Luchetti
 Kerry Saxby
 Bernadette Serone
 Lisa Vizaniari
 Kim Wilson

Track and Field — Male

Stuart Andrews
 Simon Baker
 Peter Beames
 David Culbert
 Anthony Ford
 Dolph Francis
 Ken Gordon
 Phillip Henderson
 Gary Honey
 Neil Honey
 Adam Hoyle
 Andrew Jachno

Andrew Lloyd
 Paul Nandapi
 Scott Odlum
 Reid Pryor
 Russell Short
 Darren Wilson
 Darren Wright
 Don Wright

Water Polo — Male

Brent Annels
 Simon Asher
 Douglas Cocking
 Damien Fanning
 John Fox
 Andrew Kerr
 Daniel Marsden
 Ian McInnes
 Mark Oberman
 Paul Oberman

Michael Poot
 Duncan Ritchie
 Troy Stockwell
 Andrew Taylor
 Andrew Wightman
 Nick Yiannakoudakis

Weightlifting — Male

Craig Blythman
 Warwick Bond
 Joshua Brooke
 Robert Campbell
 Paul Harrison
 Russell Holloway
 Michael Irwin
 Julian Jones
 Ron Laycock
 Daniel Mudd
 Thonroth Nhim
 Christopher Sharman

Included are athletes on Associate Scholarships. Some athletes have left during the year which explains any discrepancies between this table and those giving statistics as at 30 June 1988.

Appendix 3

1988 Sports Talent Encouragement Plan Grant Recipients

Name	Sport	State	Grant
Individuals			
1	Simon Baker	Athletics ACT (AIS)	1 500
2	Nicole Boegman	Athletics NSW (AIS)	3 000
3	Darren Clark	Athletics NSW	2 000
4	Jane Fleming	Athletics ACT (AIS)	2 000
5	Debbie Flintoff-King	Athletics VIC	5 000
6	Michael Hillardt	Athletics VIC (AIS)	3 000
7	Gary Honey	Athletics VIC (AIS)	2 000
8	Andrew Jachno	Athletics VIC (AIS)	1 500
9	Andrew Lloyd	Athletics ACT (AIS)	1 500
10	Stephen Moneghetti	Athletics VIC	4 000
11	Miles Murphy	Athletics NSW	3 000
12	Kerry Saxby	Athletics ACT (AIS)	4 000
13	Patrick Scammell	Athletics VIC	1 500
14	Sze Yu	Badminton NSW	2 000
15	Kerryn Pethybridge	Biathlon VIC	1 500
16	Matthew Coulter	Canoeing — Marathon NSW	2 000
17	Jane Hall	Canoeing — Marathon NSW	2 000
18	John Jacoby	Canoeing — Marathon VIC	3 000
19	Geoffrey Donovan	Canoeing — Slalom NSW	1 500
20	Steve Wood	Canoeing — Sprint NSW (AIS)	2 000
21	Micheal Diamond	Clay Targets NSW	1 500
22	James Ellis	Clay Targets ACT	2 000
23	Ian Hale	Clay Targets VIC	1 500
24	Russell Mark	Clay Targets VIC	1 500
25	John Maxwell	Clay Targets NSW	1 500
26	Robert Burns	Cycling VIC (AIS)	1 500
27	Anthony Davis	Cycling NT	4 000
28	Elizabeth Hepple	Cycling QLD	2 000
29	Gary Neiwand	Cycling VIC (AIS)	3 000
30	Kathleen Shannon	Cycling NSW	2 000
31	Julie Speight	Cycling NSW	1 500
32	Martin Vinnicombe	Cycling NSW	6 000
33	Kathryn Watt	Cycling VIC	3 000
34	Dean Woods	Cycling VIC (AIS)	4 000
35	Jenny Donnet	Diving VIC	3 000
36	Julie Kent	Diving TAS (AIS)	2 000
37	Craig Rogerson	Diving QLD (AIS)	2 000
38	Ingo Renner	Gliding NSW	3 000
39	Louise Briers	Golf NSW	2 000
40	Edwina Kennedy	Golf NSW	2 000
41	Ericka Maxwell	Golf WA	1 800
42	Alison Munt	Golf QLD	1 500
43	Ricky Duncan	Hang Gliding NSW	2 000
44	Stephen Moyes	Hang Gliding NSW	2 000
45	Ronald Newland	Hang Gliding NSW	1 500
46	Toni Noud	Hang Gliding NSW	1 500
47	Danny Kay	Ice Racing SA	1 500
48	Michael Richmond	Ice Racing SA	1 500
49	Geraldine Dekker	Judo NSW	1 500
50	Anne Marie Pepper	Judo NSW	1 500
51	Warren Rosser	Judo NSW	2 000

Name	Sport	State	Grant
Individuals			
52	Louis Val	Judo ACT	2 000
53	Suzanne Williams	Judo NSW	3 000
54	Alison Quick	Parachuting NSW	1 500
55	Ben Sandstrom	Pistol WA	1 800
56	Kerry Boyce	Powerlifting SA	2 000
57	Matilyn Wallen	Powerlifting NT	2 000
58	Heidi Wittesch	Powerlifting SA	2 000
59	Anthony Hanley	Roller Skating VIC	1 500
60	Desly Hill	Roller Skating WA	1 500
61	Anthony Keefe	Roller Skating VIC	2 000
62	Simon Reeves	Roller Skating SA	1 500
63	Stephen Whyte	Roller Skating NSW	2 000
64	Peter Antonie	Rowing VIC	3 000
65	Donald Brook	Smallbore NSW	3 000
66	Alan Smith	Smallbore QLD	2 000
67	Sarah Fitzgerald	Squash VIC (AIS)	1 500
68	Robyn Friday	Squash WA	2 000
69	Michelle Martin	Squash QLD (AIS)	1 500
70	Ross Thorne	Squash QLD	1 500
71	Simon Farrer	Surfriding NSW	1 500
72	Damien Iredale	Surfriding NSW	1 500
73	Darren Magee	Surfriding QLD	3 000
74	Pauline Menczer	Surfriding NSW	3 000
75	Glen Pringle	Surfriding NSW	1 500
76	Cathy Ryan	Surfriding QLD	1 500
77	Fiona Alessandri	Swimming WA	1 500
78	Duncan Armstrong	Swimming QLD	1 500
79	Andrew Baildon	Swimming QLD	2 000
80	Susie Baumer	Swimming QLD	1 500
81	Robert Bruce	Swimming NSW (AIS)	2 000
82	Sheridan Burge-Lopez	Swimming NSW (AIS)	1 500
83	Jodie Clatworthy	Swimming QLD	3 000
84	Phillipa Downes	Swimming ACT (AIS)	1 500
85	Janelle Elford	Swimming NSW (AIS)	5 000
86	Megan Johnston	Swimming QLD	1 500
87	Rodney Lawson	Swimming VIC (AIS)	1 500
88	Hayley Lewis	Swimming QLD	2 000
89	Nicole Livingston	Swimming VIC	5 000
90	Karen Lord	Swimming NSW (AIS)	1 500
91	Ian McAdam	Swimming NSW (AIS)	1 500
92	Julie McDonald	Swimming QLD	5 000
93	Michael McKenzie	Swimming QLD	4 000
94	Jason Plummer	Swimming QLD	3 000
95	Donna Procter	Swimming NSW (AIS)	3 000
96	Martin Roberts	Swimming SA (AIS)	1 500
97	Julie Robinson	Swimming QLD	3 000
98	Jon Sieben	Swimming QLD	3 000
99	Tom Stachewicz	Swimming WA	5 000
100	Simon Upton	Swimming NSW (AIS)	2 000
101	Karen Van Wirdum	Swimming QLD	1 500
102	Carl Wilson	Swimming QLD	1 500
103	David Wilson	Swimming VIC (AIS)	4 000
104	Rob Woodhouse	Swimming VIC (AIS)	4 000
105	Elizabeth Jensen	Trampolining SA	1 500
106	Adrian Wareham	Trampolining VIC	1 500
107	Geoff Carrington	Water Skiing QLD	3 000
108	Karen Neville	Water Skiing QLD	4 000

Name	Sport	State	Grant
Individuals			
109 Michael Neville	Water Skiing	QLD	4 000
110 Bruce Neville	Water Skiing	NSW	2 000
111 Deborah Pugh	Water Skiing	NSW	2 000
112 Peter Wellham	Water Skiing	NSW	2 000
113 Tania Williams	Water Skiing	NSW	3 000
114 Mark Blair	Weightlifting	VIC	1 500
115 Gino Fratangelo	Weightlifting	TAS	1 500
116 Paul Harrison	Weightlifting	ACT (AIS)	1 500
117 Greg Hayman	Weightlifting	NSW (AIS)	2 000
118 Ron Laycock	Weightlifting	TAS (AIS)	2 000
119 Chris Brown	Wrestling	VIC	1 500
120 Peter Backhouse	Yachting	NSW	2 000
121 Colin Beashel	Yachting	NSW	1 500
122 Dean Blatchford	Yachting	NSW	3 000
123 Mitch Booth	Yachting	NSW	3 000
124 Glen Bourke	Yachting	NSW	3 000
125 Jessica Crisp	Yachting	NSW	4 000
126 Nicola Green/ Karyn Davis	Yachting	NSW	3 000
127 Chris Lawrence	Yachting	NSW	4 000
128 Stephen McConaghy	Yachting	NSW	2 000
129 Chris Pratt	Yachting	SA	1 500
130 Stuart Wallace	Yachting	VIC	5 000
131 Robert Wilmot	Yachting	NSW	1 500

315 000

Teams

1 Australian Women's Team	Basketball	24 000
2 Australian Women's Team	Cricket	8 000
3 4000m Teams Pursuit Team	Cycling	8 000
4 3-Day Event Team	Equestrian	6 000
5 Australian Men's Team	Hockey	64 000
6 Australian Women's Team	Hockey	64 000
7 Australian Men's Team	Indoor Soccer	15 000
8 Australian Women's Team	Lacrosse	8 000
9 Australian Team	Netball	30 000
10 Men's Eight	Rowing (AIS)	27 000
11 Men's Coxed Four	Rowing (AIS)	7 500
12 Women's Lightweight Four	Rowing	8 000
13 Australian Women's Team	Water Polo	26 000
14 Australian Men's Team	Water Polo (AIS)	19 500

315 000

Individual Athletes

304 100

Teams

315 000

Total 1988 Sports Talent Encouragement Plan

\$619 100

Appendix 4

1988 Sports Talent Encouragement Plan — Coaches Assistance Grants

Basketball

Robbie Cadee	2 000
Ray Tomlinson	2 000
Sue Harcus	2 000
Barry Barnes	2 000
Brian Kerle	

Cycling

Malcolm Morris	2 000
Hank Vogels	2 000
Barry Langley	2 000
Don Blackman	2 000
Peter Day	

Hockey

Barry Dancer	1 400
Larry McIntosh	1 400
Jim Irvine	1 400
Ray Dorsett	1 400
Trevor Cibich	1 400
Ken Read	1 600
Bob Claxton	

Rowing

David Yates	1 300
Martin Aitken	1 300
Martin Owen	1 300
Bruce Evans	800
Paul McGann	800
Bob Bleakley	800
Barbara Gillett	800
Ellen Randall	800
Peter Lanigan	800
David Ochert	

Swimming

Ralph Richards	3 000
Laurie Lawrence	6 000
Eric Arnold	4 000
Craig Crozier	4 000
Gerry Stachewicz	2 000
Paul Hardman	2 000
Otto Sonnleitner	2 000
Mick Lord	2 000
John Wright	2 000
Arthur Ballantyne	

Track and Field

Nancy Atterton	2 000
Sandro Bisetto	2 000
John Fleming	2 000
Tom Kelly	2 000
Alan Launder	2 000
Tony Rice	2 000
Bruce Walsh	2 000
Colin Wright	2 000
Alan Barlow	2 000
John Daly	2 000
Mike Hurst	2 000
Bill Larsen	2 000
Gus Puopolo	2 000
Geoff Walker	2 000
Chris Wardlaw	2 000

Appendix 5

AIS Scholarship by sport and age as at 30 June 1988

	10	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	34	TOTAL
Basketball																					
Male							10	2													12
Female							2	2	5	2	1										12
Canoeing																					
Male												1	1	2	1	1	2				8
Cricket																					
Male							1	4	3	5	2	1									16
Cycling																					
Male							1	1	1	1	2	2		1	1						10
Female												1	1					1			3
Diving																					
Male							1	2		1	1	1		1							7
Female							1		1		1	1		1							5
Gymnastics																					
Male				1	1	4	2	1	3					1	1						14
Female	1		2	1	1			2	1												8
Hockey																					
Male								2	6	7	5	1									21
Female									3	3	5		1	2	1	1					16
Netball																					
Female							1	7	5	2	2		1								18
Rowing																					
Male										1	3	3	1	4	2	2					16
Female										3	2	1	2	1	1						10
Soccer																					
Male							1	8	7												16
Squash																					
Male				1			1	2	2	2	1	1									10
Female							1	1	1	1	1	1									6
Swimming																					
Male							1		2	5		1	2								11
Female									2	4											6
Tennis																					
Male							1	2	3	1											7
Female							3	1	3												7
Track & Field																					
Male									1	1	4	1		2	1	5		1	2	1	19
Female									1	1	1	2		1		1		1	1		9
Water Polo																					
Male							2		2	5	1		1	1	2					1	15
Weightlifting																					
Male							2	1	3	2		1	2			1					12
Total	1	1	4	9	16	45	48	38	32	32	17	8	13	10	10	3	3	2	1	1	294

Appendix 6

AIS Scholarships by Sport and State as at 30 June 1988

Sport	VIC	NSW	WA	QLD	SA	TAS	ACT	NT	Total
Basketball	5	4	1	6	4	4	—	—	24
Canoeing	1	1	—	6	—	—	—	—	8
Cricket	4	2	—	5	4	1	—	—	16
Cycling	7	3	—	1	2	—	—	—	13
Diving	1	3	3	4	—	1	—	—	12
Gymnastics	1	8	—	5	1	1	6	—	22
Hockey	6	8	10	5	1	6	—	1	37
Netball	5	8	2	2	—	—	1	—	18
Rowing	10	3	—	2	6	1	4	—	26
Soccer	2	6	3	1	1	1	2	—	16
Squash	4	2	—	9	—	1	—	—	16
Swimming	4	8	1	2	1	—	1	—	17
Tennis	1	7	1	2	1	2	—	—	14
Track & Field	13	7	2	4	—	—	2	—	28
Water Polo	4	6	3	—	1	1	—	—	15
Weightlifting	2	5	—	1	—	2	2	—	12
TOTAL	70	81	26	55	22	21	18	1	294

Appendix 7

Sports Science and Medicine Centre — recent publications and references.

Sports Medicine Unit

- Deakin, V., 1987 'Assessing nutritional status of an athlete', *Excel*, 3,4, pp.9-10.
- Deakin, V., 1987 'Eating well and winning: a brief guide to good nutrition for active people', The Dairy Foods Advisory Bureau.
- Deakin, V., 1987 'The effect of vitamin/mineral supplementation in athletes Part I Fitness and haematology', Canberra, Australian Sports Commission.
- Deakin, V., 1987 'The effect of vitamin/mineral supplementation on athletes Part II Vitamin and mineral status', Canberra, Australian Sports Commission.
- Deakin, V., 1987 'Premature osteoporosis in the female athlete', *Excel*, 3,4, pp.16-17.
- Deakin, V., 1987 'The role of diet and the dietitian for sport people', *Sports Trainers Digest*, 2,1,p.6.
- Fricker, P., Copeland, I., Beasley, S. 'Physiological growth hormone responses in throwers to amino acids, eating and exercise. A preliminary study', *Australian Journal Science and Medicine in Sport*, 20,1, pp.21-23.
- Fricker, P., Beovich, R. 'Osgood Schlatter's Disease. A review of the literature and an Australian series', (submitted for publication)
- Fricker, P. 'Milk — the saviour of a lost tooth', *Australian Dr Weekly*, 13 November 1987.
- Fricker, P. 'The ankle — one click and it's gone', *Australian Dr Weekly*, 19 February 1987.
- Fricker, P., Hart, D., Coles, D. 'Is squash safe? The effect of a game of squash followed by a warm down on cardiac rhythm', (submitted for publication)
- Fricker, P. 'Sports Problem is not a disease', *Australian Dr Weekly*, 8 April 1988.
- Fricker, P. 1988 'Guidelines for safety in children's sport — gymnastics', (Draft) Australian Sports Medicine Federation.
- Maguire, K. 1987 'Cervical spine: hypermobility, instability subluxation', *Proceedings of Annual Scientific Conference Manipulative Therapist Association of Australia (ACT)* February 1987.
- Maguire, K., Fricker, P., 1987 'Easy guide to the prevention and treatment of exercise and sport related injuries', Lane Cove, NSW Organon, 1987.
- Maguire, K. 1987 'Medical advice', Letters to The Editor, The Veteran Athlete June 1987 p.9.
- Maguire, K. 1987 'Running and osteoarthritis', Sports Medicine and Nutrition Conference, December 1987, Melbourne, Australian Dairy Corporation : Australian Sports Medicine Federation.
- Maguire, K. 1987 'Tackling the problem of football injuries', The Advertiser (Adelaide) 21 April 1987.
- Maguire, K. 1988 'Coping with heat', *Sport Health*, 13,1, pp.62-64.
- Maguire, K. 1988 'Dilemmas in sports medicine', *Sport Health*, 6,1, pp.12-14.
- Maguire, K. 1988 'Sport and respiratory disease', *Sport Health*, 6,2, p28.

Physiotherapy and Massage Unit

- Purdam, C. 1987 'A survey of netball and basketball injuries', *Excel*, 3,3, pp.8-11.
- Stanton, P. 1987 'Hamstring injuries and eccentric exercise', *Track technique*, No 99, pp.3161-3163.
- Wajswelner, H. 1987 'Prevention of low back pain in rowers Part One: stretching and strength training', *Excel*, 4,1,p.10 plus chart.
- Clews, W., Wajswelner, H. 1988 'Effects of massage in athletes with rotator cuff tendinitis', *Excel*, 4,4, pp.12-15.

Psychology Unit

- Bond, J., 1987 'Flotation therapy: current concepts', *Excel*, 4, 1, pp.2-4.
- Bond, J., 1988 'What has sport psychology to offer?' *Court Action*, 2, 1, pp.41-48.
- Horsley, C., 1987 'The use of yoga in psychological skills training for sports', *Excel*, 4, 2, pp.6-8.
- Horsley, C., 1988 'Motivation: a case for goals', *Australian Fitness & Training Annual*, pp.82-84.
- Horsley, C., 1988 'Using your mind to improve race walking technique', *Athletics Coach*, 22, 1, pp.14-15.
- Horsley, C., 1988 'Using your mind to improve race walking technique', *Modern Athlete and Coach*, 26, 2, pp.35-36.
- Horsley, C., 1988 'Mental matter: training your mind as well as your body', *Australian Fitness & Training*, 3, 2, pp.28-29.
- Miller, B., 1987 'Athletes problems float away', *Australian Doctor* 6 February 1987 p.56.
- Miller, B., 1987 'Promoting the relaxation response', *Excel*, 3, 3, pp.6-7.
- Miller, B., 1987 'The Dangers of eating disorders', *Australian Doctor*, 1 May 1987 p.104.
- Miller, B., 1987 'Dealing with an injured jog addict', *Australian Doctor*, 20 February 1987 p.88.
- Miller, B., 1987 'From hero to zero: retiring from sport', *Medical Observer*, 31 July 1987 p.37.
- Miller, B., 1987 'Get ready, get set, succeed', Melbourne, Australian Athletic Union.
- Miller, B., 1987 'Overtraining and burnout in sport', *Medical Observer*, July 17 1987 pp.33-34.
- Miller, B., 1987 'A paramedic report', *Australian Doctor*, 27 November 1987 p.52.
- Miller, B., 1987 'Psychology and sport: elite athletes say it works', *Modern Athlete and Coach*, 26, 1, pp.34-38.
- Miller, B., 1987 'Sport psychology and running', Sydney, Reed Books.
- Miller, B., Fricker, P., et al 1987 'Testosterone and growth hormone responses to hypnosis and exercise', *New Zealand Journal of Sports Medicine*, 15, 4, pp.88-91.
- Miller, B., 1987 'Using W.I.D. to fight D.I.D.', *Australian Doctor* 6 March 1987 p.88.

Biomechanics Unit

- La Fortune, M., 1987 'Biomechanical analysis of the 110m hurdles', *Excel*, 3, 3, pp.2-4.
- La Fortune, M., 1988 'A Simple method of evaluating jumping ability or measuring leg power', *Excel*, 4, 3, pp.8-11.
- Mason, B., 1987 Track and field coaching films, *ACHPER National Journal* No. 116, pp.19-20.
- Mason, B., Shakespear, P., et al 1988 'The use of biomechanical analysis in rowing to monitor the effect of training', *Excel*, 4, 4, pp.7-11.

Physiology and Applied Nutrition Unit

- Damm, G., Telford, R.D. 1988 'Some thoughts on tennis fitness', Paper presented to National Tennis Seminar, Melbourne.
- Pang, P., 1987 'A new abdominal strength test', *The Fitness Reader*, 5, 4, pp.7-8.
- Smith, J.A., Telford, R.D., Hahn, A.G., Mason, I.B., Weidemann, M.J. 1988 'Training, oxygen radicals and the immune response', *Excel*, 4, 4, pp.3-6.
- Telford, R.D., Catchpole, E.A., Plank, A.W., Deakin, V., Hahn, A.G., McLeay, A.C., 1987 'Effect of vitamin/mineral supplementation on athletes Part I, fitness and blood measures, project summary', Report to Australian Sports Commission.
- Telford, R.D., Hahn, A.G., Catchpole, E.A., Plank, A.W., Deakin, V., McLeay, A.C., 1987 'The effects of vitamin/mineral supplementation on athletes Part I, performance and haematology', Report to the Australian Sports Commission.
- Telford, R.D., Minikin, B.R., Hooper, L.A., Hahn, A.G., Tumilty, D.MCA., 1987 'The tri-level fitness profile', *Excel*, 4, 1, pp.11-13.
- Telford, R.D., Zhang, Z., Carlile, F., Gathercole, T., Hahn, A.G., Sweetenham, W.F., 1987 Proceedings International Coaching and Swimming Science Conference, Surfers Paradise, Australia (in press).

- Telford, R.D., 1988 'Women in sport — some special considerations', Paper presented to Sportswomen Towards 2000 Conference, Adelaide.
- Telford, R.D., Catchpole, E.A., Plank, A.W., Deakin, V., Hahn, A.G., McLeay, A.C., 1988 'The effects of vitamin/mineral supplementation on athletes, short summary B', Report to Australian Sports Commission.
- Telford, R.D., Damm, G., 1988 'Fitness and training for tennis', Paper presented to National Tennis Seminar, Melbourne.
- Telford, R.D., Hahn, A.G., Catchpole, E.A., Parker, A.R., Sweetenham, W.F. 1988 'Post-competition Blood Lactate Concentration in Highly Ranked Australian Swimmers', *Swimming Science V, International Series on Sport Sciences*, Vol 18. eds. Ungerechts, B.E., Wilke, K., Reischle, K., Human Kinetics Books, Champaign, Illinois, pp.277-283.
- Tumilty, D.MCA., 1987 'Prevention of Lower Back Pain in Rowers, Part 2A: Weight Training: The Squat', *Excel*, 4, 2, pp.3-5.
- Tumilty, D.MCA., 1988 'Prevention of Lower Back Pain in Rowers, Part 2B: Weight Training: The Power Clean', *Excel*, 4, 3, pp.3-5.

Appendix 8

Australian Institute of Sport Sponsors 1987-88

Acromat Pty Ltd
Adidas
A.G. Thompson Pty Ltd
ANZ
Australian Airlines
Australian Meat and Live-stock Corporation
Avis
Barclays Bank
CIBA-Geigy
Campagnola
Canberra Rex Hotel
Carter-Wallace (Aust) Pty Ltd
Coca-Cola Bottlers (Canberra)
Commonwealth Bank
Digital Equipment Corporation (Aust) Pty Ltd
Drake International
Dunlop Bedding
Dunlop Footwear
Esanda
Essex Laboratories
ESSO
Gestetner Pty Ltd
Goodman Fielder
Hattori (Aust) Pty Ltd
Johnson & Johnson (Aust) Pty Ltd
Kellogg (Aust) Pty Ltd
Ken Evans Bicycle Frames
MBF
McDonald's Junior Tennis Australia
Mitre Sports Balls
Monocraft (Aust) Pty Ltd
National Campaign Against Drug Abuse
NSW Meat Industry Authority
Overseas Indents (Consolidated) Pty Ltd
Pork Promotion Centre
Puma Australia Pty Ltd
Quality Bakers Australia
Rexona Pty Ltd
3M Riker Laboratories
SA Brewing Co
SOS Printing
Seiko
Sir Robert Menzies Memorial Foundation
Skychannel
Smith & Nephew Australia Pty Ltd
Speedo Group Ltd
Stellar (Aust)
Suisse International
Vitaglow
Wentworth Bond Pty Ltd
Western Underwriters

Appendix 9

Friends of the Institute

The Friends of the Institute Program was designed to enable individuals and organisations to become part of the development of the Australian Institute of Sport by contributing to its Gary Knoke Memorial Scholarship Program. Recognition of this support is in the form of seat sponsorship in the Australian Institute of Sport Theatre.

Donors

Australian Athletic Union
All Australia Netball Association
Amateur Pistol Shooting Union of Australia
ACT Soccer Federation
Australian Basketball Federation
Australian Clay Target Association
Australian Ski Federation
Australian Sports Commission
Australian Track & Field Coaches Association
Australian Weightlifting Federation
Australian Gymnastic Federation Incorporated
Huron Valley Springs
Dr Fred Better
Mr Greg Blood
Professor J Bloomfield
Mr Paul Brettell
Mr Garry Brown
The Hon Mr John Brown
Dr John Cheffers & Family
Ms G J Clews and Mr F R De Castella
Australian Rowing Council
Mr John D Coates
Mr & Mrs P & J Coffey
Australian Olympic Federation
Ms Lisa Curry
Mr Garry Daly, Confederation of Australian Sport
Ms Yvonne Daniell
Belconnen Physiotherapy Clinic
Rothmans National Sport Foundation
Dickson College
Miss Nan Durrans
Mr R J Ellicott
Mr Herb Elliott
Ms Louise Field
Mrs June Ford & Family
Mr & Mrs K Foster
Ms Therese Gage & Mr Lawrie Wilson
Mr N Gibson
Mr Claude V Gillard, Australian Parachute Federation
Mr John Gregg
Mr Roger Grylls
Mr Greg Hartung
Victorian Olympic Council
Hughes Bros Pty Ltd
Miss P D Hyland
Mrs Ironmonger
Mr Michael Jenkinson
Mr John King

Mr Joe King
 Macquarie University Sports Association
 Mrs Pat Manson & Family
 Australian Track & Field Coaches Association
 Mrs Dorothy McHugh
 McVann Nominees Pty Ltd
 Mr Peter Montgomery
 Mr Michael Moroney
 Mr Phil Morrissey
 National Ice Sports
 Centacom Staff Pty Ltd
 Mrs C Ramsden, Caulfield Grammar School
 Mr Giorgio Scarano & Family
 South Australian Olympic Council
 St Catherine's School
 Mr E K Stevenson
 Macquarie Health Corporation
 Swains Pty Ltd
 Television New England Ltd
 Mr Chris Timpson
 Dr J C Van Opdenbosch
 Victorian Gymnastic Association Inc
 Mr John Waterhouse, Australian Amateur Water Polo Association
 Mr Michael Wenden
 Mr & Mrs AD & JC Woodhouse
 University of New England Sports Union
 Mr Simon Youl
 Mr Robert Young
 Mr & Mrs PM & JR de Vries
 Australian Golf Union
 Mr Donald G Croot
 Dr K J Carroll
 Mr & Mrs RJ & AJ Kitchin
 Mr & Mrs G & J Noel
 Mr & Mrs JW & BO York
 Mr D Brondello
 Mrs Debra Tomsett
 B and M J Boettcher
 Mrs Dorothy Hawkes
 Mr and Mrs R Carmichael
 D J & R E Murray
 Brown Family
 Wilts Family
 Helen and Alysia Gourlay
 J & P Laurendet
 Birubi Track Club
 NSW Amateur Athletic Association
 Adidas
 Bob Lay
 Dr and Mrs A Tahmindjis
 C Wansbrough
 David Prince
 J & D Reinmuth
 Bond family
 T & D Rice
 Rotary Club of Canberra — Ginninderra
 I & F Smith
 H & G Tatana
 Jimmy Lawrendet

Appendix 10

Members of the Board of the Australian Institute of Sport

Professor John Bloomfield AM Chairman
 Department of Human Movement and Recreation Studies
 University of Western Australia
 Nedlands WA 6009

Mr R G Harvey CVO Deputy Chairman
 GPO Box 176
 Belconnen ACT 2616

Mr A E Harris AO
 Suites 2 and 3
 Level 4 Westfield Towers
 100 William Street
 Sydney NSW 2000

Mr R D Beattie
 25 Fairlight Street
 Fairlight NSW 2094

Mr J D Coates
 Fernleigh Castle
 5 Fernleigh Gardens
 Rose Bay NSW 2016

Ms E M D Darlison
 91 William Street
 Redfern NSW 2016

Mr H J Elliott MBE
 Puma Australia Pty Ltd
 PO Box 377
 Moorabbin VIC 3189

Mr L E Fox
 Linfox Group
 PO Box 525
 South Melbourne VIC 3205

Mr R J Masters
 7 Pacific Street
 Blakehurst NSW 2221

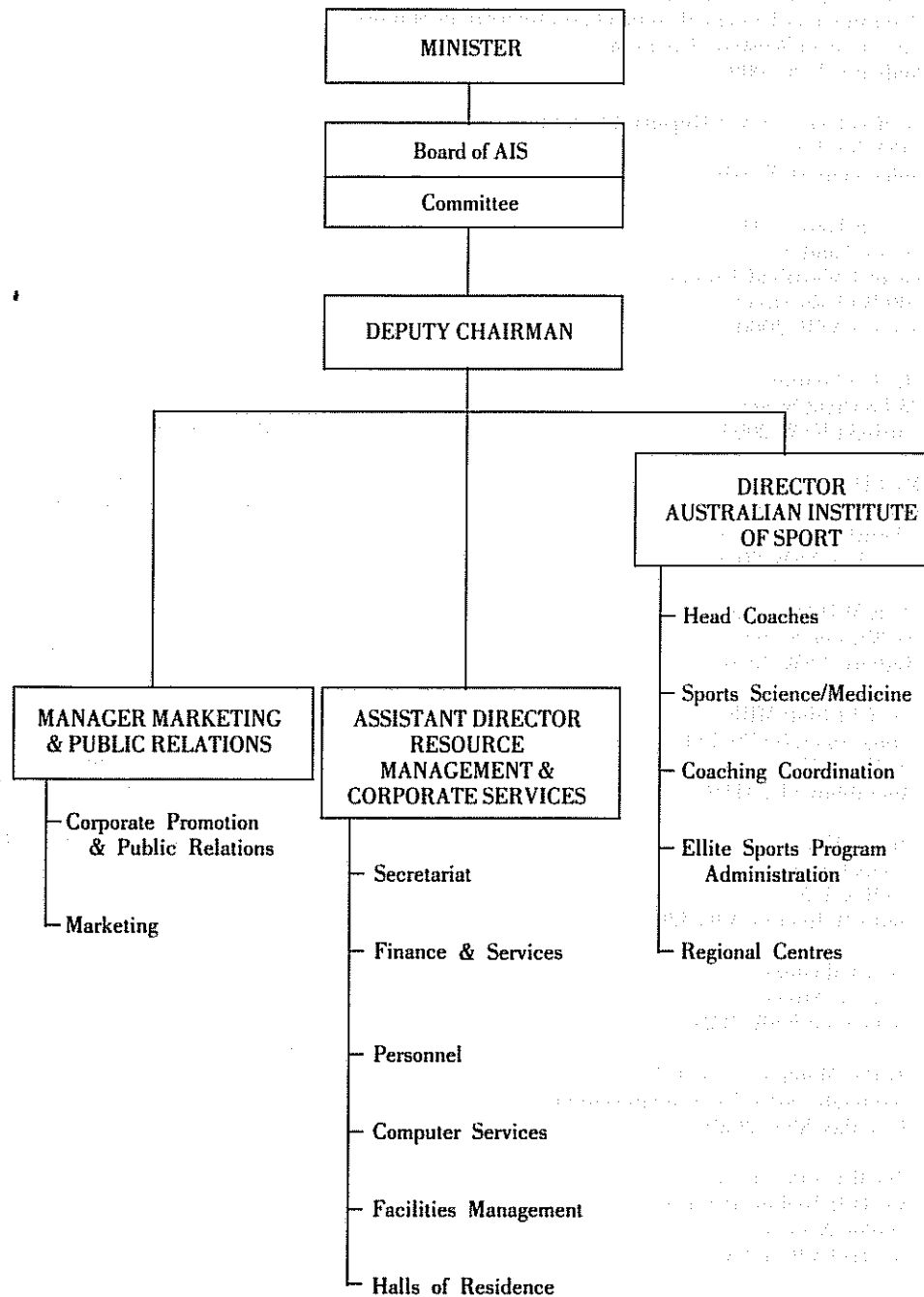
Mr P G Montgomery OAM
 Fernleigh Castle 5 Fernleigh Gardens
 Rose Bay NSW 2029

Mrs M I A Pewtress
 Box Hill Technical School
 Dunloe Avenue
 Box Hill VIC 3128

Mr M V Wenden MBE
 Olympic Pool
 Thrower Drive
 Palm Beach QLD 4221

Appendix 11

Organisational Structure as at 30 June 1988



Index

- Aboriginal cricketers, 35
- Aboriginal indoor soccer team, 38
- accounts, 67-89
- Adidas, 4, 15, 108
- administration
 - computer services for, 48
 - Finance and Services, 60-4
 - Personnel, 58-60
 - Secretariat, 58
- administration of sports
 - contacts for, 55
- amalgamation (of AIS with ASC), 59, 66
- ANZ Banking Group, 11, 32, 108
- archery camps, 33
- assets and liabilities
 - see accounts
- auditor's report, 67
- Australia Day Sports Committee, 4
- Australian Applied Sport Psychology Association, 24
- Australian football camps, 33
- Australian Institute of Sport Shop, 46
- Australian Junior Development Program, 19
- Australian Meat and Live-stock Corporation
 - funding for Iron Study and blood data analysis, 27
 - other sponsorship, 4, 108
- Australian Sports Commission Bill (1988), 66
- badminton camps, 33
- Barclays Bank, 18, 108
- baseball camps, 33
- basketball, 1, 4-5
 - camps, 34
 - Canberra Cannons, 50
 - scholarship holders, 90, 94
- biathlon camps, 34
- Biomechanics Unit, 24-5
 - publications, 106
- Board (of AIS)
 - financial accounts of, 65-89
 - members of, 65, 66, 111
- bobsleigh camps, 34
- Brisbane City Council
 - provision of facilities, 7
- budgets and accounts, 60-4, 67-89
- buildings
 - see facilities
- camps, training, 33-43
- Canberra Cannons, 50
- canoeing, 1, 5-6, 58, 65
- CIBA-Geigy Australia Ltd, 21, 28
- Coaches Assistance Scheme (Sports Talent Encouragement Plan), 44, 101-2
- coaching, 55-7
 - basketball, 4, 5
 - canoeing, 5
 - computer services for, 47
 - cycling, 6
 - diving, 7
 - gymnastics, 8, 9
 - hockey, 10, 11
 - netball, 12
 - rowing, 13
 - Satellite Coaching Program, 1
 - soccer, 14, 15
 - squash, 15
 - swimming, 16
 - track and field, 2-3
 - water polo, 19
 - weightlifting, 20
- Coca-Cola Bottlers (Canberra), 3, 4, 108
- committees, 58
- Commonwealth Bank, 45, 108
- computer services, 47-8
- concerts, 50
- contacts and information, 54-7
- corporate services, 55
- cricket, 6
 - Aboriginal team, 35
 - camps, 35
- cycling, 1, 6-7
 - camps, 35
 - scholarship holders, 90, 94
- Dafco Chant, 15
- Department of Sport and Recreation (Victoria), 3
- developmental sports, 1
- Digital Equipment Corporation (Aust) Pty Ltd, 48, 108
- disabled sports
 - camps, 35-6
 - first disabled athlete scholarship holder, 2
- diving, 1, 7
 - camps, 36
 - Nathan Meade, tribute to, 7-8
 - scholarship holders, 90, 94
- Drake International, 7, 45, 108
- drug education, 5
- Drug Offensive
 - sponsorship, 5
- Dunlop Footwear, 13, 19, 108
- education and welfare (of athletes)
 - contacts for, 55
- Elite Sports Program
 - contacts for, 55
- Esanda, 10, 11, 12, 108
- Esso, 12

Ethics Committee, 29-30, 58
Excel magazine, 30, 45
Executive Committee, 58
facilities, 48-51
 administration of, 49-50
 building improvements, 50
 finance, 49
 Indoor Arena, 50-1
 major events, 50
 National Outdoor Stadium, 51
 Swimming and Tennis Centre, 50, 51
 training facilities, 51
fellowships and postgraduate scholarships, 28
 see also scholarships
finance, 60-4
 accounts, 65-89
Finance and Services, 60-4
Freedom of Information, 54, 58
Friends of the Institute, 45, 109-10
 donors, 109-110
functions and objectives of organisation, 53-4

Gary Knoke Memorial Scholarship, 4, 109
 Trust fund financial statement, 89
general services
 see Finance and Services
Gestetner Pty Ltd, 45, 108
'Gold Medal' bread endorsement, 45
golf camps, 36
Goodman Fielder, 45
gymnastics, 1, 8-10
 camps, 36
 scholarship holders, 90, 94

Hepatitis B vaccinations, 21
hockey 1, 10-12
 camps, 37
 scholarship holders, 90, 91, 95
hormone (growth) physiology, 22

ice skating camps, 37
Indoor Arena, 50-1
information services and contacts, 54-7
 see also computer services; National Sport Information Centre
Iron Study, 27

Johnson and Johnson (Aust) Pty Ltd, 13, 45, 108
judo camps, 38
Kellogs (Aust) Pty Ltd, 45, 108

Lawn Tennis Association of Australia, 19
legislation, 65, 66
legislation and strategic planning, 53
library, 31
 access to information, 54
 computer services for, 48

McDonalds Family Restaurants, 19, 108
McEwan, Fletcher, 3
major events, 50-1
marketing and public relations, 44-6, 55
massage
 see Sports Physiotherapy and Massage Unit
MBF, 45
Meade, Nathan
 tribute to, 7-8
medicine
 see Sports Medicine
Mitre Sports Balls, 13, 15

National Campaign Against Drug Abuse, 45
 sponsorship, 5, 108
National Outdoor Stadium, 51
National Sport Information Centre, 30-2
 computer services for, 47-8
 contacts for, 54
 information services, 31-2
 liaison with outside organisations, 32
 library and collection, 31-2
 technical services, 31
National Sports Program, 32-43
 ANZ Youth Scholarships, 33
 camps, 33-43
 contacts for, 55
 cycling, 6
 program structure and participation, 32
National Training Centre Program
 see National Sports Program
netball, 1, 12-13
 camps, 38
 scholarship holders, 91, 95
nutrition
 see Physiology and Applied Nutrition Unit

objectives and functions of organisation, 53-4
occupational health and safety, 59
Office Structures Review, 59
Olympic Park, Melbourne, 3
operation and administration, 52-64
organisation (of AIS), 52-7
 contacts and access to information, 54-7
 legislation and strategic planning, 53
 objectives and functions, 53-4
 structure, 52-3, 112
orienteering camps, 39

pentathlon camps, 38
Personnel, 58-60
Physiology and Applied Nutrition Unit, 26-8
 publications, 106-7

Physiotherapy and Massage Unit, Sports, 22-3
 publications, 105
polocrosse camps, 38-9
Pork Promotion Centre, 12, 13, 108
Psychology Unit, Sport
 publications, 106
public relations, 45-6
publications
 access to information about, 54
 of Sports Psychology Unit, 106
 of Sports Physiotherapy and Massage Unit, 105
Puma Australia Pty Ltd, 5

Repco Cycle Company, 27
research
 see Sports Science and Sports Medicine Centre
Residential Sports Program, 1-51
 review of performance, 1-2
 see also names of sports
revenue and expenditure
 see accounts
revenue targets, 61
review of operations, 65
Rexona Pty Ltd, 4, 108
rowing, 1, 13-14
 camps, 39
 scholarship holders, 91, 95-6
rugby league camps, 39
rugby union, 1, 58, 65
 camps, 39

salary increases, 59
Satellite Coaching Program, 1
Saxby, Kerry, 3-4
scholarships, 1-2, 45
 access to information about, 54
 ANZ Youth Scholarships, 11, 32, 33, 35, 36, 37, 38, 39, 41, 42, 43, 108
 by sport and age, 103
 by sport and State, 104
 Esanda, 11
 fellowships and postgraduate scholarships, 28
 Gary Knoke Memorial, 4, 89, 109
 holders, 1987, 90-3
 holders, 1988, 94-7
science
 see Sports Science
Science and Sports Medicine
 computer services, 47-8
 second tier salary increase, 59
Secretariat, 58
Seiko, 3, 4, 45, 108
senior sports, 1
services
 see Finance and Services

shooting camps, 39-40
shop (at AIS), 46
Short, Russell, 2
Shuravetsky, Efim, 3
Sir Robert Menzies Memorial Foundation
 funding of *Excel* magazine, 30
skiing camps, 40
Smith Kline and French, 21
soccer, 1, 14-15
 camps, 41
 scholarship holders, 91, 96
soccer (indoor) camps, 38
softball camps, 41
South Australian Sports Institute (SASI), 3, 6
Speedo Holdings Ltd, 7, 18
sponsorship, 45, 108
 basketball, 5, 45
 cricket, 45
 diving, 45
 for computer equipment, 48
 hockey, 11, 12
 of National Sports Program, 32
 netball, 13, 45
 soccer, 15
 sponsors, 108
 sports medicine, 21
 swimming, 18, 44
 tennis, 19
 track and field, 3, 4, 45
 see also accounts; fellowships; scholarships
Sport Psychology Unit, 23-4
Sports Medicine Unit, 22
 publications, 105
Sports Physiotherapy and Massage Unit, 22-3
 publications, 105
Sports Science, 21
Sports Science and Sports Medicine Centre, 21-30
 Ethics Committee, 29-30
 publications and references, 105-7
Sports Talent Encouragement Plan
 Coaches Assistance Scheme, 43-4, 101-2
 grant recipients, 98-100
squash, 1, 15
 camps, 41
 scholarship holders, 91, 96
staff development, 59
staffing levels, 60
Standing Committee on Children in Sport, 58
Standing Committee on Elite Sports Development, 58
Standing Committee on Marketing, Public Relations and Facilities, 58
Standing Committee on Sport for All, 58

Standing Committee on Sports Science,
Sports Medicine and Applied Research,
58

strategic planning and legislation, 53

structure of organisation, 52-3, 112

'Sustain' cereal endorsement, 45

swimming, 1, 16-18

 camps, 41

 scholarship holders, 92, 96

Swimming and Tennis Centre, 50, 51

table tennis camps, 41

Tarn Pure, 44

technical services, 31

ten pin bowling camps, 41-2

tennis

 scholarship holders, 92, 96

tennis centre, 50, 51

Tour Program, 46

track and field, 1, 2-4, 24

 camps, 42

 scholarship holders, 92, 96-7

training facilities, 51

see also facilities

travel

 contacts for, 55

Trilevel Fitness Profile, 27

trust funds, 88-89

Unisys Canberra Cannons, 50

University of Queensland, 7

university sports camps, 42

volleyball

 camps, 42

water polo, 1, 19-20

 camps, 42

 scholarship holders, 92, 97

waterskiing camps, 42

weightlifting, 1, 20

 camps, 43

 scholarship holders, 93, 97

Western Underwriters, 11, 12

Women's Sport Promotion Unit, 58

work experience placements

 students from Australian academic
 institutions, 28

 visitors from overseas, 28-9



9 780644 096348

88/20 743 Cat. No. 88 0830 3