



PRENTICE COMPUTER CENTRE

OPERATING REPORT 1987

C. ADMINISTRATION

E CONTD

Buildings & Grounds	40015	11264	7714	2562
Business Services	346585	351507	347611	289694
Ceremonies Office	503	415	559	1044
Student Services	260611	238791	338690	454409
Enrolments	5881	5968	6820	6939
Information Office	12458	13386	16848	15563
Personnel Services	958	658	2080	4218
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	667011	621989	720322	774429
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D. AFFILIATED (Internal Rates)

Alumni Office	1626	1462	1235	1383
Anthropology Museum	-	65	-	-
AUSTA	282	195	245	174
Australian Mathematical Society	397	618	-	-
C.A.B.H.	48	26	7114	4679
CiTR	-	-	-	540
Emmanuel College	528	432	118	-
Heron Island Research	-	1441	-	-
Kings College	405	202	140	180
Melanoma Project	204	27	1	-
P.A. Hospital	-	-	908	584
S.E.R.C.	1294	3043	1505	1455
U.Q. Staff Club	791	1005	1613	2186
St. John's College	175	72	227	261
Student Computer Club	9105	4408	2137	937
Other Projects	-	-	-	219
UNIQUEST	719	2847	22	394
Universities Credit Union	-	-	-	-
University Foundation	34	39	34	8
University Press	42562	43229	10922	588
University Art Museum	-	549	87	174
U.Q. Staff Association	310	267	379	151
Union College	1478	1349	1643	1705
UQLTC	196	98	6	-
U.Q. Union	118	513	1895	1589
University Bookshop	3528	1990	899	-
Women's College	-	-	-	-
International House	-	447	109	-
Aust. Forum for Textile Arts	-	-	285	857
Aust. Studies Centre	-	-	158	-
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	63800	64324	31682	18631
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<u>TOTAL</u>	\$1199618	\$1172463	\$1249457	\$1274934
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PRENTICE COMPUTER CENTRE

F

REVENUE FROM EXTERNAL ORGANISATIONS - 1984, 1985, 1986, 1987

<u>A. GRIFFITH UNIVERSITY</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
<u>Administration</u>				
Secretariat	27445	28526	41159	42165
Business Management	162436	162650	191412	238637
Student Affairs	13067	10213	18779	1310
Information Office	-	-	890	1448
ITC	-	-	890	20972
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	202948	201389	252240	304532
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<u>Affiliated</u>				
QTAC	122714	261906	157010	181914
Faculty Staff Association	83	74	54	95
Library	2877	6188	5476	13337
Community Services	1905	687	604	579
GU Student Union	67	83	240	78
GU Staff Club	103	144	54	54
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	127646	269041	163528	196057
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<u>Schools</u>				
CALT	827	4020	2779	1560
Modern Asian Studies	5007	3938	5747	3187
Australian Environmental Studies	42429	38646	37546	37720
Science	8116	7995	12203	11523
Humanities	5345	10560	11969	12592
Social & Industrial Administration	16987	21952	28549	30710
Continuing Studies	34	-	-	-
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	78745	87111	98793	97292
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<u>TOTAL</u>	<u>\$409339</u>	<u>\$557541</u>	<u>\$514561</u>	<u>\$597881</u>
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B. OTHER EDUCATIONAL INSTITUTIONS

F CONTD

Brisbane CAE	1098	914	436	240
Capricornia CAE	552	103	1050	254
Darling Downs CAE	457	309	1279	1200
James Cook University	255	697	1702	1959
Catholic Centre	496	374	1048	552
Qld Agricultural College	480	282	447	741
University of Adelaide	-	-	1930	3604
High Schools & Others	609	380	1940	60
Q.I.T.	521	261	40	430
Q.I.M.R.	4537	5324	28175	15628
Secondary Education Branch	60	-	-	-
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	9065	8644	36147	24668
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C. OTHER EXTERNAL USERS

CSIRO	10893	2959	2699	3203
Dept of Primary Industries	1893	906	585	260
S.E.C.Q.	4539	-	-	-
Qld Water Resources Commission	119397	175485	210050	159718
Main Roads Department	10899	7354	5689	3246
Education Department	16986	12446	15238	14193
Health Department	24301	29323	27013	23523
Q.E.G.B.	383	161	-	754
Chief Government Geologist	295	-	-	-
State Mines Department	10470	8961	9434	11586
Other Commonwealth & State Depts	220	150	838	-
Consulting Engineers & Others	6141	5266	1702	7687
Aust. Institute Medical Lab. Sci.	2977	-	-	-
Mater Mothers Hospital	1394	1500	1556	3428
National Parks & Wildlife Service	733	1182	1344	419
Qld Cancer Fund	433	234	-	-
Qld Spastic Welfare League	8260	7659	8598	2664
Soils Survey & Exploration Pty Ltd	248	33	530	1356
Wildlife Preservation Society	799	1056	1139	1021
Eracom Pty Ltd	-	-	432	96
Royal Society of Qld	-	-	3441	2874
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	221266	254675	289288	236028
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Computing Units and Jobs by User Category and Priority for Batch and Terminal work - 1987

KL & VAX SYSTEMS ONLY

	University of Queensland				Griffith University				Other Educ.				External		Total	
	Units	Jobs	Units	Jobs	Units	Jobs	Units	Jobs	Units	Jobs	Units	Jobs	Units	Jobs	Units	Jobs
S.25	22568	688127112	6146	1364	46	8412	250	1972	36	10	0	0	70673	16721293793	10784	
S.50	649	41844338	27250	274	19	1598	791	0	0	0	0	0	602	46937102	28167	
S.70	5	0	0	0	0	0	0	0	0	0	0	0	16	6	21	
S.1.0	2653	292937834	59125	29	10	309	898	0	0	0	1	1	532	165953351	60522	
S.2.1	18	0	30	0	0	0	2	0	0	0	0	0	1	1	33	
Tot.8	25884	10212910540	92551	1667	75	10319	3653	36	10	1	1	1	71824	18903185594	99512	
S.25	56484	14775484	79	3028	102	7976	100	1460	32	32	164	16	5695	12199227	2296	
S.50	25852	27314566	791	2160	285	3500	158	242	23	29	29	39	2044	15644849	4389	
S.70	20965	234457931	419	2191	211	3272	78	664	23	1241	1241	32	2190	13892362	4202	
S.1.0	169626	382271142086	48335	33928	6930	55078	9390	9334	814	2212	2212	383	37291	108481505985	129239	
Tot.1	272927	447791210067	49524	41307	7528	70332	9723	11700	892	3646	3646	384	47820	112631742423	140126	
C.508	298811	458804120607	142075	42974	7603	80651	16334	11736	902	3647	3647	385	119644	131534928017	239638	

* 299377

* 4928583

* Adjusted to include Innovative Teaching & Research Grants

16

Usage by User Category and Priority as a Proportion of Total Usage

KL & VAX SYSTEMS ONLY

	University of Queensland				Griffith University				Other Educ.		External		Total	
	Depts Units	Admin Units	Affil. Units	Schools Units	Admin Units	Affil. Units	Schools Units	Admin Units	Other Educ. Units	Jobs	Units	Jobs	Units	Jobs
.25	0.46	0.29	0.03	0.17	0.10	0.82	0.00	0.00	0.00	1.43	0.70	26.25	4.50	
.50	0.01	0.02	0.01	0.03	0.01	1.82	0.33	0.00	0.00	0.01	0.02	19.02	11.75	
.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1.0	0.05	0.12	0.00	0.01	0.01	0.24	0.37	0.00	0.00	0.01	0.07	19.35	25.26	
>1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	
Tot. B	0.53	0.43	0.03	0.21	0.13	3.35	1.53	0.00	0.00	1.46	0.79	64.64	41.53	
.25	1.15	0.62	0.06	0.16	0.16	0.39	0.04	0.00	0.00	0.12	0.05	2.01	0.96	
.50	0.52	1.14	0.04	0.07	0.30	0.12	0.06	0.00	0.00	0.05	0.07	0.91	1.83	
.70	0.43	0.98	0.04	0.07	0.23	0.08	0.03	0.01	0.03	0.04	0.06	1.87	1.75	
1.0	3.44	15.95	0.69	1.13	6.01	1.13	3.92	0.19	0.04	0.76	4.53	36.56	53.93	
Tot. T	5.54	18.69	3.14	1.43	6.89	1.72	4.06	0.24	0.07	0.97	4.70	35.36	58.47	
G.Tot	6.06	19.11	0.87	1.64	6.82	5.07	5.59	0.24	0.07	2.43	5.49	100.00	100.00	

(6)

(84)

(1)

(2)

(5)

(-)

(-)

(2)

(100)

* Adjusted to include Innovative Teaching & Research Grants

SYSTEM PERFORMANCE REPORT - 1/1/87 to 31/12/87

I

	HHH:MM	KL10	%
1. Attended system running time	4932:15		
2. Plus unattended system running time	3720:11		
3. Equals total system running time	8652:26		100.0
Less time used for:			
4. Scheduled maintenance	286:44		3.3
5. Dedicated operations tasks	-		0.0
6. Dedicated systems development	-		0.0
7. Equals time scheduled for use	8365:16		96.7
Less lost time due to:			
8. Unscheduled maintenance	56:19		0.7
9. Hardware faults	14:54		0.2
10. Software faults	24:06		0.3
11. Unresolved	-		0.0
12. Environmental conditions	98:40		1.1
13. Equals time available to users	8171:15		94.4
14. Effective user uptime (13./7.)			97.7

SYSTEM PERFORMANCE REPORT - 1/1/87 TO 31/12/87

J

	<u>IBM</u> HH:MM	<u>VAX 11/780</u> HH:MM	* <u>VAX 8650</u> HH:MM
Total hours system available	8664:00	8664:00	5136:00
<u>Less:</u>			
Planned outage	26:54	125:00	99:38
Unplanned outage	34:07	99:14	32:15
	-----	-----	-----
Actual hours system available	8602:59	8439:46	5004:07
	-----	-----	-----
System availability(%)	99.3	97.4	97.4

*Reports only available from June to December 1987.

YTD or 1988
total Exp

FINANCIAL STATEMENT

K

CAMPUS DATA NETWORK (CDN) OPERATIONS SUMMARY - 1987

<u>REVENUE</u> (\$'s)		<u>EXPENDITURE</u> (\$'s)	
Rental and New Installations	312,699	Salaries	62,115
<i>(break down)</i>		Materials	145,554
<i>low rentals ← billed</i>		Vehicle Running Costs	1,528
<i>low install \$500</i>		Telecom (Subsidisation)	21,389
<i>contract work (major contract)</i>		<i>when come for</i>	
<i>(plot job sheets)</i>		Network Development	45,000
	-----	<i>what is this</i>	
	312,699	Transfer Surplus to A/C	
	-----	105622 as repayment	37,113

			312,699

ie 140
5000
for rental
← GR 95

Handwritten notes:

Handwritten: ENG Sal

Rev? See Linda CNW Exp. Material ?

Contract. See Linda Vehicle ?

See Denis PCC O/H ?
(Travel & publications)

Handwritten notes:

COMS Sal

Rev?

Contract.

INTRODUCTION

The significant event this year was the announcement, in December 1987, that the Centre would purchase a DEC VAX 8550 and an IBM 3081. The IBM 3081 will replace the 3083E and the VAX 8550 will replace the DEC KL10 which will be decommissioned in December 1989. During the year the Centre also purchased an Optical Mark Reader (OMR) which will be used to enable easier, faster marking of multi-choice examination papers. Purchase of the OMR emanated from an initiative proposed by TEDI. Once again in 1987 strict cost control has achieved a deficit of \$80,000 against a budgeted deficit of \$179,000.

A cost saving of \$132,000 eventuated against the salaries budget mainly by holding positions vacant. This, of course, has a direct relationship with grade of service but was necessary to achieve results below the budgeted deficit.

Campus Data Network (CDN) achieved a surplus of \$37,113 against a budgeted surplus of \$15,000.

1. Operating Results 1987

Total revenue amounted to \$2,766,000 plus salary supplementation of \$31,106 (calculated by the Bursar's office) and with total operating costs of \$2,846,000 allowed a transfer against reserves of \$80,000 deficit.

Operating costs were 5.9% lower than 1987 budgeted costs of \$3,059,000 and actual revenue decreased 4.0% on 1987 budgeted revenue. Costs of operating the Centre were 8.3% higher than in 1986. Salary costs increased by \$158,000 (8.2%) whilst maintenance expenditure increased by \$50,000. This increase in maintenance costs occurred through price increases in hardware equipment maintenance from our two main suppliers (DEC & IBM). Despite negotiation of a new contract with a local paper merchant, stationery costs increased by \$22,000 over 1986, reflecting the large usage by Administration of printing from their VAX 8650. Electricity costs increased by \$18,000 again showing a full year's use of an extra mainframe computer, i.e. Administration's VAX 8650. There seems little the Centre can do to control electricity costs when the University Administration varies the Kwh rate each month and provides no substantial proof to back readings which are attributed to the Centre's usage.

Travel costs were the same as in 1986 but were \$6,000 over the 1987 travel budget. This 1987 figure of \$21,000 does contain 2 trips to Lae, Papua New Guinea, and also costs for travel, subsistence, etc., for staff to attend professional conferences, seminars, etc., the majority of such conferences being held outside Queensland.

Revenue Earned

In 1987 the provision of charged services revenue was 4.3% over 1986 i.e. \$99,000 (growth in revenue by user groups is depicted in Appendix C). Revenue from University of Queensland computer usage varied from one users group to another. viz University of Queensland Departments -10.6%; University of Queensland

Administration, +6.3%. Revenue from the schools of Griffith University increased by \$3,000 (3.3%), by \$67,000 (63.8%) for Griffith Administration, and by \$20,000 (18.9%) for the Griffith Affiliated Group.

An increase of 3.8% was evident in revenue from usage of central computer systems while IBM system revenue for 1987 was \$272,000. Revenue from the General Funds of the University of Queensland was 53% of the total Centre Operating costs. This represented approximately 1% of the total General Funds of the University of Queensland.

Usage of Central Computer Time.

Comparisons of usage between the IBM and KL10 and VAX 11/780 mainframes are not possible due to vast differences in both operating and charging systems. Usage figures for the KL10 and VAX 11/780 systems are shown in Appendices G and H. (Please note: these figures do not include VAX 8650).

2. System Statistics

During 1987, the Centre operated five host systems - DEC dual processor KL10, DEC VAX 8650, DEC VAX 11/780, IBM 3083E, and a Computervision CAD/CAM system.

System performance statistics for the KL10 are shown in Appendix I. The IBM and VAX statistics appear in Appendix J.

3. User Education

A total of 150 courses attended by 1177 staff and post-graduate students were offered in 1987. The number of courses more than doubled over 1986 as did the number of attendees.

These increases were mainly due to the addition of a second education officer and a move to offering PC courses centred around popular software packages, which seem to attract attendance from numbers of staff wishing to increase their knowledge and typing skills as personal computers and terminals become widely used on a daily basis across all departments.

Mainframe courses will be revamped in 1988 to cater for introductory courses for the VAX 8550 and the IBM 3081.

4. Accommodation

Early in the year, the Finance & Administration Section relocated on the fourth level, from very cramped accommodation on the first level. One member of the section, i.e., the storeman, has remained on the first level to facilitate receipt and despatch of goods. Late in 1987, the PC Support Group moved from the ex "Credit Union" area to level 4 bringing them in close contact with the other members of the Distributed Computing Section and allowing exchange of information on PCs, PC technology, and PC technological advances. The Campus Data Network group was relocated in the ex "Credit Union" quarters where they have excellent delivery facilities and some storage for the large cable drums which are continually delivered.

5. Staffing

During the year a number of staff positions were held vacant. This did reduce the level of service offered but also helped achieve a considerable cost saving against budgeted salaries. The number of position vacancies remained at 19.

Difficulties in recruiting professional computing staff with suitable experience continued throughout the year, becoming worse towards the year end. It seems this problem will remain into the foreseeable future.

6. Campus Data Communications

CDN achieved a surplus of \$37,113 for 1987. An amount of their revenue for 1987 was generated from contract work outside normal line installation and maintenance tasks. Subsidisation payments to Telecom to support off-campus site rentals increased by \$10,389 (from \$11000 in 1986 to \$21,389 in 1987). A similar rise is expected in 1988 Telecom costs.

Material costs rose from \$95,212 (1986) to \$145,554 (1987) an increase of \$50,342. Increases in costs of materials were due to the poor performance of the Australian dollar against overseas currency and purchase of newer, more sophisticated technological communications equipment which is demanded to widen the scope of the network on campus and the purchase of materials for the contract projects.

Transfer of the surplus of \$37,113.13 overpays the outstanding balance of the establishment loan, \$2,394.32. Repayment of the loan to the University has been achieved in accordance with the original budgeted repayment schedule.

18th March, 1988

D.S. Antonellie
Manager,
Finance & Administration

FINANCIAL STATEMENT

PRENTICE COMPUTER CENTRE OPERATIONS ACCOUNT SUMMARY - 1987

	<u>REVENUE (000's)</u>		<u>EXPENDITURE (000's)</u>		Actual 1987	Actual 1987
	Budget 1987	Actual 1987	Budget 1987	Actual 1987		
Computer Use:					2175	2043
Internal University of Qld	1235	1202				
Internal Griffith University	335	326		(actual salary costs \$2,074,173) (less Salary Supplementation \$31,106)		
Other Educational Institutions	20	15		Maintenance	180	151
External	270	234		Contract Equipment Maintenance	259	257
CAD/CAM System Use:				Software Charges	170	125
Internal Users	30	30		Stationery	74	84
Others	10	-		Electricity	122	130
Programming and Hardware Services(2)	660	502		Insurance	20	16
Engineering and Comms Service	-	87				
Cash Sales & Courses	5	118		Magnetic Tapes and Packs	13	7
Charges to General Fund for approved services rather than charges to individual users -				Furniture and Fittings	5	2
University of Queensland	250	251		Air Conditioning Maintenance	15	10
Griffith University	35	35		Travel	15	21
Network Development charged to CDN	30	45		Publications	10	-
Transfer to Reserve Fund	179	80				
	3059	2846			3059	2846

(1) Budget estimates are based on expected December 1985 rates - Award & CPI increases being covered by Salary Supplementation of \$31,106 calculated by Bursar's Office.
 (2) Payments for 1987 services prepaid in 1986 included \$27,971.96
 (3) Outstanding Debtors 31.12.87 = \$99,770 Outstanding Orders 31.12.87 = \$40,472

PRENTICE COMPUTER CENTRE OPERATIONS ACCOUNT SUMMARIES - 1983-1987

<u>REVENUE (000's)</u>	1983	1984	1985	1986	1987	<u>EXPENDITURE (000's)</u>	1983	1984	1985	1986	1987
Computer Usage: (1)						Gross Salaries (2)	1508	1770	1957	1916	2074
Internal University of Qld	896	1104	1092	1130	1202	Maintenance	173	254	392	483	533
Internal Griffith Univ.	145	209	284	353	326	Stationery	51	57	65	62	84
Other Educ. Institutions	10	9	8	19	15	Electricity	73	105	104	112	130
External	265	212	261	293	234	Insurance	12	18	14	15	16
CAD/CAM System	-	-	32	52	30	Magnetic Tapes & Packs	1	8	8	15	7
Contracts - User Services &						Furniture & Fittings	2	1	3	1	2
Equipment Maintenance	336	445	534	656	502	Air Conditioning Maint.	10	11	9	16	10
- Eng/Comms Services	-	-	-	13	118	Travel	10	10	9	21	21
Cash Sales & Courses	7	3	6	8	8	Publications	20	8	1	3	-
Operational Svcs - Griffith Uni.	-	-	24	5	-	Rentals	-	-	-	-	-
Salary Supplementation	44	107	47	39	31	Labpak Patent Costs	-	-	-	12	-
Charge to General Fund for											
Approved Services -											
University of Qld	116	167	185	195	251						
Griffith University	14	23	25	27	35						
Network Development - CDN	13	-	15	4	45						
Transfer from Reserve Fund	14	-	49	-	80	Transfer to Reserve Fund	-	37	-	138	-
	1860	2279	2562	2794	2877		1860	2279	2562	2794	2877

(1) Low priority terminal rate reduced from 50% to 40% of prime rate from 1.5.80; VAX 11/780 system introduced at 3/4 KL10 charge rates on 17.8.81; KL10 primary memory charges reduced by 15% from 1.2.82; VAX 11/780 charge rates reduced to 1/3 of KL10 equivalent charges; KL10 primary memory charges reduced by 10% and charge for file I/O reduced by 15% from 1.3.83; introduction of User Kit charging on IBM from 1.8.84.

(2) Actual staff costs including payroll tax, overtime, penalty payments and other staff costs.

REVENUE EARNED 1984 TO 1987 (\$000's)

YEAR	UNIVERSITY OF QLD				GRIFFITH UNIVERSITY				OTHER EDUC INSTITUT.	EXTERNAL SALES	CASH SALES	HARDWARE	TOTAL
	ACADEMIC	ADMIN	AFFIL.	AFFIL.	ACADEMIC	ADMIN	AFFIL.	AFFIL.					
1984	421	590	78	68	85	56	9	212	3	-	1522		
1985	428	601	77	77	87	133	8	258	6	-	1675		
1986	423	701	45	91	105	106	16	282	2	-	1770		
1987	378	745	29	94	172	126	18	228	2	-	1792		
1984	46	61	6	11	60	73	-	8	-	-	265		
1985	49	21	6	11	16	146	-	3	-	-	312		
1986	40	31	12	4	90	57	19	9	-	-	262		
1987	61	29	33	3	132	70	7	8	-	-	343		
1984	-	-	-	-	-	-	-	-	-	179	179		
1985	-	-	-	-	-	-	-	-	-	222	222		
1986	-	-	-	-	-	-	-	-	-	245	245		
1987	-	-	-	-	-	-	-	-	-	196	196		
1984	467	651	84	79	145	129	9	220	3	179	1966		
1985	477	622	83	88	163	279	8	261	6	222	2209		
1986	463	732	57	95	195	163	35	291	1	245	2277		
1987	439	774	62	97	304	196	25	236	2	196	2331		

COMPUTING AND CASH SALES

CONTRACTS

HARDWARE & PC SUPPORT

TOTAL

Notes: 1. Figures refer to revenue earned during the year. There may be variations between these and revenue brought to account in expenditure and revenue statements.

2. Figures do not represent relative work load on computers due to variations in use of priorities, changes to charge rates and charge factors for different classes of users. External users are charged at 3.7 times the internal rate and other educational institutions at 1.7 times the internal rate.

PRENTICE COMPUTER CENTRE
REVENUE EARNED 1987 BY SOURCE OF FUNDS

D
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<u>UNIVERSITY OF QUEENSLAND</u>	<u>\$000's</u>	<u>\$000's</u>
<u>Teaching and Research</u>		
Maintenance	68	
U.R.G.	122	
U.C.	18	
Research Grants & Scholarships	23	
Other (3)	208	439

<u>Academic Support</u>		
Maintenance	35	
U.R.G.	2	
Other	6	43

<u>Administration</u>		774
<u>Affiliated</u>		19
<u>Charges to the General Fund for Approved Services</u>		251
<u>Charge to CDN</u>		45
<u>GRIFFITH UNIVERSITY</u>		
Schools	97	
Administration	304	
Affiliated	14	
Charges for Approved Services	35	450

<u>QTAC</u>		182
<u>OTHER EDUCATIONAL INSTITUTIONS (1)</u>		25
<u>OTHER USERS (2)</u>		236

	<u>TOTAL</u>	<u>2464</u>
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(1) Charged at 1.7 times internal rate

(2) Charged at 3.7 times internal rate

(3) Includes payments for IBM usage which in 1987, was not available by fund source.

Note: Excludes hardware & PC maintenance services and Cash Sales as existing accounting procedures do not allow for a division by source.

PRENTICE COMPUTER CENTRE

E

REVENUE EARNED UNIVERSITY OF QUEENSLAND BY DEPARTMENTS - 1984, 1985, 1986, 1987

<u>A. TEACHING & RESEARCH DEPARTMENTS</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
	\$	\$	\$	\$
Aboriginal & Islander Studies	-	-	102	-
Agriculture	27246	25971	24820	12789
Anatomy	1544	1881	890	3143
Anthropology & Sociology	22112	31874	22854	31624
Architecture	339	326	882	1302
Arts Faculty	493	452	625	728
Biochemistry	2920	1054	1954	925
Botany	4451	3880	2632	1591
Chemistry	5341	8703	13997	14618
Child Health	1638	2250	2023	2639
Classics & Ancient History	-	-	-	-
Commerce	7197	8483	10920	3669
Computer Science	53454	54284	22958	15236
Dentistry	15414	16814	6563	4345
Economics	9880	11552	12267	15043
Education	18880	13163	13656	11875
Engineering - Chemical	4935	19794	44147	33868
- Civil	25309	38051	36450	50546
- Electrical	9688	6242	4541	5396
- Mechanical	25031	17784	25914	29106
- Mining & Metallurgy	5960	6516	6079	9407
- Faculty	256	175	178	370
English	4053	3276	3920	2399
Entomology	1817	1938	1391	2252
External Studies	14282	17893	34719	29701
Faculty of Architecture	-	-	327	12
Faculty of Commerce & Economics	288	646	692	607
Faculty of Medicine	3150	2242	2095	1824
Faculty of Science	1094	1577	1886	1920
Fine Arts	10	-	35	-
French	32	30	1210	136
Geographical Sciences	-	-	-	2939
Geography	11506	8286	7761	1773
Geology & Mineralogy	5266	5072	6486	6997
Government	5279	3222	6260	6530
History	4822	4566	2938	1713
Human Movements Studies	7289	297	150	2018
Institute of Modern Languages	-	-	210	1483
Japanese	-	-	-	36
Law	1377	445	382	47
- Faculty	229	236	240	550
Management	3908	7681	3380	3874
Mathematics	14772	23446	22005	7607
Medicine	-	-	120	-
- Greenslopes	485	463	353	537
- P.A. Hospital	779	642	413	636
- R.B.H.	621	172	104	327
Microbiology	7882	8146	10903	4069
Music	2479	876	829	261
Obstetrics & Gynaecology	20024	11306	12179	10882
Occupational Therapy	4141	3276	3548	2046
Parasitology	404	973	902	969

<u>A. TEACHING & RESEARCH DEPARTMENTS</u> (contd)	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
Pathology	161	26	5	59
Pharmacy	637	514	1262	2589
Philosophy	959	710	716	346
Physics	37921	22935	16325	12054
Physiology & Pharmacology	2135	18697	38505	46388
Physiotherapy	4594	2527	419	65
Psychiatry	609	760	1312	1140
Psychology	4558	7058	4255	3683
Regional & Town Planning	3528	1638	1543	2121
Russian	47	-	-	-
Schonell Education Research Centre	2004	1125	1122	988
Social & Preventive Medicine	6129	6396	6998	8865
Social Work	1409	1669	1850	2033
- Faculty	-	49	60	-
Speech & Hearing	997	1036	1639	1007
Studies in Religion	9325	11671	3427	1984
Surgery	297	633	954	621
Surveying	602	482	657	49
Veterinary Science				
- Anatomy	423	159	188	-
- Animal Production	3657	3623	3690	-
- Animal Sciences & Production	-	-	-	3007
- Medicine	2401	610	855	1248
- Path & Public Health	116	253	116	863
- Surgery	157	206	-	180
- Faculty	502	315	970	212
Zoology	9881	9794	8055	5790
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	451629	468842	473730	438787
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<u>B. ACADEMIC SUPPORT</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
Audio Visual Services	-	-	1247	923
Library	532	2755	9083	22962
Counselling Services	8221	2484	2631	1965
T.E.D.I.	3471	9476	8861	14594
Printery	4638	497	986	574
Health Services	316	60	307	22
Cal Unit	-	2036	608	2047
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	17178	17308	23723	43087
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