

# ANGLO-AUSTRALIAN OBSERVATORY

EPPING LABORATORY

P.O. BOX 296 EPPING N.S.W. 2121 AUSTRALIA

R.D. Cannon, Director

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Your ref:

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6 February, 1991

The Secretary  
Australian Vice-Chancellors' Committee  
GPO Box 1142,  
CANBERRA, ACT 2601

Dear Sir,

Please find enclosed an application for affiliate membership of AARNET. The Anglo Australian Observatory(AAO) is the main operating agency of the Anglo Australian Telescope Board. The board is an independent binational authority established under the Anglo Australian Telescope Agreement Act of 1970. The AAO is responsible for the operation, management and development of two world class telescopes. All members of the Australian Astronomical community can apply for time on these telescopes and use the AAO's computing facilities, at no cost to their organisation.

The AAO has had a very good network connection to the UK Starlink network and the US SPAN for a number of years and this has encouraged overseas collaborative efforts and the speedier exchange of scientific knowledge. However, until the advent of AARNET, there has, unfortunately, been only a very limited network access for the Australian Astronomical community.

The AAO has had an informal connection to AARNET for several months and many universities have already availed themselves of our computers for data reduction, using the network, eg Sydney University Physics Department (Dr D Hunstead, staff and postgraduate students), University of NSW Physics Department(Dr M Ashley, staff and PhD students), Macquarie University Physics Department(Dr A Vaughn) , and Mount Stromlo, ANU (most staff and many astronomy PhD students) and many scientists at CSIRO Radiophysics. We expect that several other Australian Universities participating in astronomy research eg the Universities of Tasmania, WA, Melbourne and Wollongong, will also use AARNET to connect to our facilities. As well, our library has also made contacts and shared facilities with many academic and CSIRO libraries through LIBNET and would hope to continue and expand this service using AARNET.

We are certain that our participation in AARNET will provide a valuable service to many University Astronomy/Physics sections throughout Australia.

Original retained  
by G.J. Mulhavy.

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The AAO is currently connected to CSIRO Radio physics, which is in turn connected to AARNET via a 48kb line. The AAO has a staff of about 50 people including 10 astronomers, and our current network traffic does not warrant such a high speed line. This coupled, with AAO's very limited budget would make the AARNET costs for this high speed line, both prohibitive and unwarranted.

I believe that a 9600 baud speed would be more than adequate for our network requirements. Consequently we request that the AVCC accept the AAOs application for connection as an Affiliate Member at a nominal baud rate of 9600 and a related charge of \$8000 pa.

Yours Sincerely

A handwritten signature in cursive script that reads "H. Davies". The signature is written in dark ink and is positioned below the typed name.

H. Davies  
System Manager AAO

cc: Russell Cannon (AAO Director), Doug Cunliffe (Executive Officer, AAO)

encl: AARNET Affiliate membership application

Australian Vice-Chancellors' Committee

1-5 Geils Court,  
Deakin, ACT

Telephone: (06) 285 8200  
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CANBERRA, ACT 2601

AARNet Network Connection Service Affiliate Member Application

AARNet Network Connection Service

As of 1 January 1991, AARNet will allow additional organisations and institutions to connect to the Australian Academic and Research Network (AARNet).

During the implementation of AARNet in 1990 network connectivity was extended to the member institutions of the Australian Vice-Chancellors' Committee (AVCC) and the Commonwealth Scientific and Industrial Research Organisation (CSIRO).

Now that this phase of AARNet has been successfully completed, AARNet is now in a position to extend the membership of AARNet to other organisations who have interests and activities in common with the member institutions of the AVCC and CSIRO.

To connect to AARNet you will need to complete this form and return it to the AVCC. The AVCC will provide advice as to the available options for a network connection, and liaise with you regarding the termination of the physical link to AARNet.

You will be invoiced by the AVCC for Affiliate Membership charges, which are of the form of an annual charge. Note that there may be other charges associated with the AARNet network connection, including applicable Telecom transmission charges and communications equipment purchase and maintenance charges.

Provision of the Network Connection Service to the Affiliate Member is conditional on the continued use of the service as per the Acceptable Use Policy of AARNet reproduced overleaf.

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How to Apply for Network Connection Service Affiliate Membership of AARNet

To register as a Network Connection Service Affiliate Member of AARNet, please complete a printed copy of this form, and return the form to the AVCC. The AVCC will then, in the normal course of events respond with approval to connect, and establish with your organisation how the physical connection is to be established. Following installation of the network link the AVCC will invoice you for the appropriate charges for connection and the first year's Affiliate Membership fee.

In the following pages are:

AARNet Acceptable Use Policy

Terms and Conditions of the Network Connection Service to Affiliate Members of AARNet

## Network Connection Service Application

### AARNet Acceptable Use Policy

1. The function of AARNet is to carry material which supports the academic and research enterprise of higher education institutions and CSIRO and that this material may include news and ancillary materials relevant to the aims and objectives of these organisations.
2. This acceptable use policy includes the use of AARNet in connection with the administrative activities of the member organisations of AARNet, and also includes the use of AARNet for institutional support services.
3. This acceptable use policy includes the use of AARNet in support of the various infrastructural service support activities associated with the academic and research enterprise.
4. Use of AARNet for commercial purposes, and use of AARNet for purposes unrelated to the broad areas of relevance to the academic and research community is not considered acceptable use of AARNet services.
5. The use of AARNet by Australian organisations other than AVCC member institutions and CSIRO divisions requires the execution of an AARNet Affiliate Membership Agreement by the organisation and the AVCC. The AVCC reserves the right to approve each application for Affiliate Membership on a case by case basis.
6. Traffic originating from peer academic and research networks which conforms to the originating network's acceptable use policies is in general considered acceptable traffic to be carried over AARNet.
7. AARNet facilities cannot be used by any individual or group of persons for any activities of an illegal or fraudulent nature, including such illegal activities as defined under the Australian Commonwealth Government Telecommunications Act 1989, or other applicable State and Commonwealth laws.

Additional notes of relevance to acceptable material as described in 1. above:

- 1.1 the AVCC, in conjunction with CSIRO and through the AARNet Advisory Board, will decide which categories of material it will allow to be transmitted and those it will not transmit;
- 1.2 specific materials not normally transmitted through the network may be provided to individual sites if the materials are required by network members for legitimate teaching and/or research purposes and if the request for such materials is supported by the Chief Executive Officer of the institution requesting such materials; and
- 1.3 if material which AARNet has resolved should not be transmitted is injected into the network the membership of the network member responsible for that action may be terminated by the AVCC.

#### Summary:

This acceptable use policy of AARNet includes the use of AARNet in connection with the administration of the AARNet member institutions, and also includes the use of AARNet for institutional support services, such as library communications activities. Also included within these usage guidelines is usage of AARNet in connection with the various service support activities in relation to academic and research activities.

## **Terms and Conditions of the AARNet Network Connection Service**

### **Definitions:**

0. The Australian Vice-Chancellors' Committee (Incorporated in the ACT) is referred to as "AVCC".

The Commonwealth Scientific and Industrial Research Organisation is referred to as "CSIRO".

The Australian Academic and Research Network, a program operated under the auspices of the AVCC, is referred to as "AARNet"

### **Conditions of Use:**

1. The Network Connection Service Affiliate Membership must be endorsed by an AVCC member higher education institution or CSIRO, as being in support of collaborative academic or research activities, or as being associated with the provision of support services to the higher education institutions and CSIRO.

2. Use of AARNet must conform to the AARNet Acceptable Use Policy.

3. The use of AARNet by Affiliate Members is not for the support of activities internal to the Affiliate Member (such as connecting regional branches of the same organisation via AARNet), nor in support of activities of a purely commercial nature (such as two Affiliate Members conducting commercial business over AARNet).

4. The AVCC reserves the right to disconnect the Affiliate Member in the event of serious operational or security incidents arising through the Affiliate Member's connection to AARNet, or in the event of continued abuse of these Conditions of Use of AARNet (where the AVCC retains the right to determine what constitutes such abuse).

### **Network Access:**

5. The Affiliate Member cannot, under these terms of AARNet Network Connection Service Affiliate Membership, allow third party organisations or individuals to gain access to AARNet via the Affiliate Member's facilities. This includes the explicit prevention of access to AARNet by either direct network layer connectivity or indirect gateway or other network services,

### **Network Connection:**

6. The physical connection from the Affiliate Member to AARNet is to be terminated within AARNet at a location which will be nominated by AARNet. In general the Regional Hub sites of AARNet will be nominated as the appropriate connection point to AARNet. The type and characteristics of the physical connection must be approved by AARNet prior to installation of the facility.

7. The physical link must be terminated on the Affiliate member site with equipment which has the prior approval of AARNet as being technically compatible with AARNet equipment.

8. The responsibility for operational support and maintenance of the link, and the equipment associated with the physical link on the Affiliate Member's site is that of the Affiliate Member. The responsibility for the maintenance and operation of equipment on the AARNet site is that of AARNet or its agent.

### **Disclaimer of Liability:**

10. The AVCC, CSIRO, and member institutions of these bodies accept no responsibility for any loss or damage which may be incurred by the Affiliate Member through the connection to

AARNet. Affiliate Members connect to AARNet at their own risk.

### **Affiliate Membership**

11. To become an Affiliate Member of AARNet an application must be made in writing to the AVCC. This application should cite an AVCC or CSIRO group which will endorse the application as being in support of common activities. The application should also indicate the undertaking of the organisation to abide by these Terms and Conditions of Affiliate Membership.
12. The AVCC reserve the right to refuse a Network Connection Service Affiliate Membership application at their discretion.
13. The Affiliate Membership shall operate on a year-to-year basis, and requires the advance payment of an annual Affiliate Membership fee to the AVCC.
14. The AVCC maintains the right to vary the Network Connection Services Affiliate Membership fee from year to year, and maintains the right to cease offering this service at the start of any year at their discretion.
15. The AVCC reserve the right to vary the Affiliate Membership fee for an organisation at their discretion on a case by case basis.

### **Termination of Affiliate Membership**

16. Affiliate membership will be terminated upon the receipt of notice to terminate the Affiliate membership by the AVCC.
17. The AVCC reserves the right not to renew the annual Affiliate Membership for an organisation at their discretion. In such a case notice of intention to terminate Affiliate Membership as of the following year will be delivered to the organisation in writing.
18. Affiliate Membership shall be considered to have terminated in the event of non-payment of the annual Affiliate Membership fees to the AVCC by the invoice due date.
19. In the event of termination of Affiliate Membership of AARNet all connection services will be withdrawn by AARNet.

### **AARNet Network Connection Service Affiliate Membership Application**

On behalf of the organisation listed below I wish to apply to be a Network Connection Service Affiliate Member of AARNet.

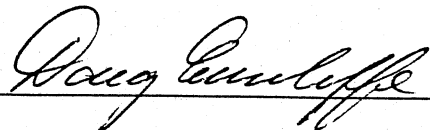
I have read and understood the Terms and Conditions on page 3 of this document. I undertake that my organisation will abide by the Terms and Conditions of Affiliate Membership of AARNet.

I understand that following initial approval as an Affiliate Member of AARNet, AARNet will nominate a connection point for a physical connection to AARNet, and provide advice as to the method of connection. A specific proposal will be lodged by the Affiliate Member with AARNet for endorsement before proceeding with the implementation of the connection.

I understand that following evaluation of the connection proposal I will be charged an annual charge based on the effective bandwidth of the connection to AARNet as per the attached charge Schedule, and will also be charged an initial connection fee covering the expenditure of the AVCC in establishing the connection. I understand that I will be invoiced for this service for subsequent years unless the AVCC receives my organisation's written advice to terminate

Date: 5 February 1991

Name of Organisation: ANGLO AUSTRALIAN OBSERVATORY

Signed: 

Name: Doug Cunliffe Position: Executive officer  
on behalf of the organisation named above.

Address: P.O. Box 296  
Epping N.S.W. 2121

Sponsoring Organisation: CSIRO Radio Physics

Contact Officer: Jim Argyros

**AARNet Connection Information:**

Technical Contact: Helen Davies

E-Mail: hdd@aaoepp.oz.au

Phone: 868 1666

Fax: 876 8536

Preferred Connection Point: CSIRO Radiophysics

Preferred Connection Bandwidth: 9600

Note A. Schedule of Network Connection Service Affiliate Membership Charges for 1991

The charges for this service for 1991 are as follows:

|               |  |
|---------------|--|
| \$5,000 p.a.  | 4.8Kbps capacity (or lower), or intermittent dial in at 9.6Kbps or lower |
| \$8,000 p.a.  | 9.6Kbps capacity-leased line or permanent call                           |
| \$15,000 p.a. | 19.2Kbps capacity-leased line or permanent call                          |
| \$25,000 p.a. | 48Kbps capacity  |

the Affiliate Membership of AARNet.

I understand that the AVCC maintains the right to vary the Network Connection Service Affiliate Membership charges from year to year, and maintains the right to cease offering this service to my organisation at the start of any year, at their discretion. I understand that in the event of any variation of the Network Connection Service Affiliate Membership of AARNet, my organisation will be advised in writing by the AVCC to the address below.

I understand that in consideration of the AARNet Network Connection Service Affiliate Membership charge, AARNet will undertake to maintain a data communications link between AARNet and my organisation. Furthermore I accept that there is no other undertaking made by AARNet in terms of reliability of the network connection service, nor any other form of undertaking by AARNet or the AVCC in consideration of the payment to AARNet for the maintenance of the network connection service to AARNet.

I undertake that my organisation's use of the network connection services over AARNet will not be used as a common commercial carrier service between my organisation and other organisations receiving similar services from AARNet, nor will it be used as a commercial carrier service between branches of my organisation.

I undertake not to allow any third party organisations or individuals to gain access to AARNet services, either directly by means of a network connection or indirectly by means of any networking configuration.

Furthermore my organisation undertakes to use AARNet facilities within the terms and conditions stated in the AARNet Acceptable Use Policy. I accept the right of the AVCC to immediately terminate this service at their discretion if these undertakings are abused by my organisation (where the AVCC retains the right to determine what constitutes such abuse).