

OTS Electronics Workshop

Jobs Report 30/9/04

Staffing:

- Mark Ferguson has started work with us and is currently learning our *better* ways of doing things. He will shortly take up residence in the ENS workshop.

New Jobs

Description	TRO	Campus	Client	Element
Design & build PIR-operated mains switch for cassette player.	T	Gold Coast	Buchanan, Sharon	School of Arts
Repair pH Meter	R	Gold Coast	Zhao, HuiJun	School of Environmental & Applied Science
Test & Tag Mechanical Workshop portable electronic equipment	O	Nathan	Stevens, Bruce	Office of Technical Services
Electrophoresis gel imaging problems	R	Nathan	Lee, Sue	School of Biomolecular & Biomedical Science
Manufacture 6 Rotometers as per sample provided	R	Nathan	Mackay-Sim, Alan	School of Biomolecular & Biomedical Science
Investigate intermittent switch on dual UV lamp - short UV lamp sometimes doesn't come on.	R	Nathan	Henderson, Luke	School of Environmental & Applied Science
2 LKB Novaspec II's - not reading correctly	T	Nathan	School, EVE	School of Environmental Engineering
Repair remote zoom for studio camera	T	Nathan	School, Griffith Film	School of Film, Media and Cultural Studies
Manufacture 2 circular antennae on FR4 substrate for David Ireland	R	Nathan	Lu, Jun Wei	School of Microelectronic Engineering
Repair 2 x C6711 DSP trainers	T	Nathan	School, MEE	School of Microelectronic Engineering
Repair 2 x Kaise DMMs	T	Nathan	School, Science	School of Science
Repair HP Deskjet 520 Printer	T	Nathan	School, Science	School of Science
Build Electron Optics Power Supply 6 x 0-1200V floatable o/p's.	R	Nathan	Lohmann, Birgit	School of Science
Repair VG Mass Spec	R	Nathan	Healy, Peter	School of Science
Repair 1A AC Power Supply	T	Nathan	School, Science	School of Science
Repair 5 x TPS pH Meters	T	Nathan	School, Science	School of Science
Repair Tennelec Amplifier	R	Nathan	Lohmann, Birgit	School of Science
Repair Sequoia-Turner 340 Spectrophotometer	T	Nathan	School, Science	School of Science
Repair Elinchrom flash unit	T	South Bank	Qld, College of Arts	Queensland College of Arts
Repair 3 x Flash Heads	T	South Bank	Qld, College of Arts	Queensland College of Arts

Completed Jobs

Description	TRO	Campus	Client	Element
Repair New Brunswick Incubator-Shaker	R	Gold Coast	Beacham, Ifor	Institute for Glycomics

test board, parts.xls, 4x PanTestBoard.PCB for s1587173@student.gu.edu.au	R	Nathan	MicroTechnology, CRC	CRC for MicroTechnology
Parts for Matthew Fraser	R	Nathan	MicroTechnology, CRC	CRC for MicroTechnology
Make 3 x pcb for Matthew Fraer/Jimmy Kennon	R	Nathan	MicroTechnology, CRC	CRC for MicroTechnology
Clean/Speed up 2 computers, make 5m straight ethernet cable.	O	Nathan	OTS,	Office of Technical Services
Check/repair high volume air sampler, unsteady meter readings, calibration is not repeatable.	R	Nathan	McTainsh, Grant	School of Australian Environmental Studies
Source battery to power supplied laptop for 12 hrs, and fit alligator clips to inverter leads.	R	Nathan	Jones, Darryl	School of Australian Environmental Studies
Repair Nikon Fibreoptic Light Source	R	Nathan	McTainsh, Grant	School of Australian Environmental Studies
Repair Leica microscope lamp	R	Nathan	Kitching, Roger	School of Australian Environmental Studies
Electrophoresis Supply Failed & Bilby Pipette repair (new battery) DC Plug adaptor connector refit	R	Nathan	Bushell, Gillian	School of Biomolecular & Biomedical Science
Check Plant incubator functionality. Probably won't be required.	R	Nathan	Lee, Sue	School of Biomolecular & Biomedical Science
Repair UV Lamps in UVP Transilluminator N34 2.46	T	Nathan	School, BBS	School of Biomolecular & Biomedical Science
Repair Sigma 1-13 Centrifuge	R	Nathan	Drew, Rod	School of Biomolecular & Biomedical Science
Modify Oven to 37C Incubator	R	Nathan	Maguire, David	School of Biomolecular & Biomedical Science
Make power cable for four cameras	R	Nathan	Mackay-Sim, Alan	School of Biomolecular & Biomedical Science
Build Light Box for algaeculture,	R	Nathan	Cumming, Janet	School of Environmental & Applied Science
Repair Leica Stereo Microscope illumination.	T	Nathan	School, EVE	School of Environmental Engineering
No response from YSI 610-D Environments Monitoring System Logger	T	Nathan	School, EVE	School of Environmental Engineering
Intermittent fault in 1200 degree C Cylindrical Ceramic Furnace - tripping RCD	R	Nathan	Agranovski, Igor	School of Environmental Engineering
Manufacture 50 off IDC50 Male TO PCB for prototype boards	R	Nathan	School, Griffith Film	School of Film, Media and Cultural Studies
Make 20 LCD Display Modules as per sample.	T	Nathan	School, MEE	School of Microelectronic Engineering
Modify 20 Speaker Amps	T	Nathan	School, MEE	School of Microelectronic Engineering
Make 2M D9 cable as per diagram & source 48V to 24V 5A DC/DC Converter.	R	Nathan	Vlacic, Ljubo	School of Microelectronic Engineering
Various Student PCBs for D.Thiel	T	Nathan	School, MEE	School of Microelectronic Engineering
Repair HC12 Module	T	Nathan	School, MEE	School of Microelectronic Engineering
Modify 20 Speaker Amps	T	Nathan	School, MEE	School of Microelectronic Engineering
Make 2 data cables as per diagram	R	Nathan	Vlacic, Ljubo	School of Microelectronic Engineering

Repair power meter battery terminal	T	Nathan	School, MEE	School of Microelectronic Engineering
Make 1 x DEVPIC18_pcb and Farnell Parts order fiber2.pcb for Stephen Brine	T	Nathan	School, MEE	School of Microelectronic Engineering
Repair faulty DMM	T	Nathan	School, MEE	School of Microelectronic Engineering
Make proto2pcbs for Morgan Tacey	T	Nathan	School, MEE	School of Microelectronic Engineering
Make 1 x pcb	R	Nathan	Lu, Jun Wei	School of Microelectronic Engineering
Make 1 x Oshon PIC Programmer pcb for Meng Taing	R	Nathan	Sweatman, Dennis	School of Microelectronic Engineering
Repair four (4) GW 8215 function generators	T	Nathan	School, MEE	School of Microelectronic Engineering
Repair function gen tfg-462	T	Nathan	School, MEE	School of Microelectronic Engineering
Build Microchannel Plate Preamplifier	R	Nathan	Knight, Alan	School of Science
Repair EG&G Ortec 7105 MultiChannel Analyser	R	Nathan	Lohmann, Birgit	School of Science
Repair Inova 400 Spectrometer	O	Nathan	Boyd, Sue	School of Science
Repair 4 x steambaths	T	Nathan	School, Science	School of Science
10mtr Extention Lead	R	Nathan	Knight, Alan	School of Science
Check Isomet AOM driver for o/p short	R	Nathan	Sang, Robert	School of Science
Repair misc leads	T	Nathan	School, Science	School of Science
Repair Electron Gun P/S No	R	Nathan	Lohmann, Birgit	School of Science
Repair 8A DC Magnet Power Supply	T	Nathan	School, Science	School of Science
Varian 'Sample Changer' Controller 1) Replace Ni-Cad Batteries (parts Supplied) 2) Check Output wave forms with OSC	R	Research Park Nathan	Natural Products Discovery, G.U.	Natural Products Discovery
Make 4 only 2.5m appliance leads (3 pin to IEC "Hot Condition" appliance socket).	R	Research Park Nathan	Natural Products Discovery, G.U.	Natural Products Discovery
Repair elinchrom flash unit	T	South Bank	Qld, College of Arts	Queensland College of Arts

Waiting/In-Progress Jobs

Description	TRO	Campus	Client	Element
Modify Photometer to improve noise performance.	R	Gold Coast	Zhao, HuiJun	School of Environmental & Applied Science
Finish Development of CNC Router.	T	Mt. Gravatt	School, VTA	School of Vocational, Technology & Arts Education
Design Power Consumption Monitor	O	Nathan	Beames, Steven	Office of Technical Services
Design & build Strip Bender electronics	O	Nathan	Stevens, Bruce	Office of Technical Services
Design controls for vacuum forming machine	O	Nathan	Stevens, Bruce	Office of Technical Services
Repair Data Logger	T	Nathan	School, AES	School of Australian Environmental Studies
Facility for real time dissemination of air quality data - Andrew Chan	O	Nathan	School, AES	School of Australian Environmental Studies

Soil and water profile measurement system	R	Nathan	Ghadiri, Hossein	School of Australian Environmental Studies
Aquarium lid & pump system	O	Nathan	School, AES	School of Australian Environmental Studies
Repair Gould Oscilloscope	R	Nathan	Mackay-Sim, Alan	School of Biomolecular & Biomedical Science
Make IR-beam switches for rat maze	R	Nathan	Mackay-Sim, Alan	School of Biomolecular & Biomedical Science
Repair Sartorius Balance	R	Nathan	School, BBS	School of Biomolecular & Biomedical Science
Design & build MicroVoltmeter & purchase 100A p/s	R	Nathan	Agranovski, Igor	School of Environmental Engineering
Design & build Microstepping Controller for Spectrometer	R	Nathan	Knight, Alan	School of Science
Design & build 2 portable Relative Humidity/Temperature Data Loggers	T	Nathan	School, Science	School of Science
Redesign EWS built Laser Diode Driver	R	Nathan	Lohmann, Birgit	School of Science
Design & construct manual control for new Stepper Motor controller	R	Nathan	Knight, Alan	School of Science
Check GCR14S Pulsed Laser Q-Switch.	R	Nathan	Knight, Alan	School of Science
Rebuild PM Tube Power Supply **ON HOLD**	T	Nathan	School, Science	School of Science
Repair 2 GasMixers	R	Nathan	Knight, Alan	School of Science
Repair 3 x Heater-Stirrers	T	Nathan	School, Science	School of Science
Repair Ebuliometer Heater	T	Nathan	School, Science	School of Science
Repair IEC Hotplate/Stirrer	R	Research Park Nathan	Quinn, Ron	Natural Products Discovery
Repair 2 x Ilford enlarger power supply/controllers	T	South Bank	Qld, College of Arts	Queensland College of Arts