

## Welcome to CETANZ

Welcome to the first newsletter for CETANZ !

Over the last year a group of willing and motivated individuals have been meeting to create the first industry organisation, set up specifically to service Civil Engineering Testing. We welcome all interested parties to get involved, become members and help us to develop an organisation for the betterment of our industry.

Let me provide you with some background to how CETANZ has evolved.

### September 2006 – CELC2006 –

An industry conference was held on the 28- 29<sup>th</sup> Sep 2006 at the Langham Hotel in Auckland. The Civil Engineering Laboratories Conference (CELC) attracted more than 80 participants from New Zealand and Australia. There were over 20 papers presented from a variety of disciplines along with some general presentations on our industry. This not-for-profit initiative was organised by Geotechnics, although the support of all the presenters and sponsors ensured that this event was successful. A special mention should go to Steven Anderson, Geotechnics ,for the exceptional amount of time and effort he gave to the event.

The final presentation of the event was titled, Where to from here?, and was essentially a forum for discussion to encourage some future participation in an industry organisation. A very handsome caveman facilitated the proceedings to collate issues that had been raised over the previous 2 days.

### 25<sup>th</sup> October 2006 - Where to from here?

To utilise the enthusiasm already provided by the conference, I emailed a request to our mailing list from the conference, attendees and non-attendees. The request was for anyone who would like to be involved in setting up an industry organisation.

I received a great response from a variety of people who represented a wide variety of companies from our industry. The respondents were all notified of the initial meeting date and time.

#### Inside This Issue

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## 15<sup>th</sup> November 2006 – Meeting 1

This initial meeting was well attended with 12 people coming forward to form the committee. This was a great achievement but we still had to get a name for our organisation. A few options were considered, but in the end CETANZ was chosen. A few protocols, rules and aims were discussed with committee members voting on positions of Chairman, Secretary and Treasurer. These positions will be contested in the future in accordance with our rules.

We set some aims based on the discussions at our conference:-

- a) Continuous improvement to the standard of testing in New Zealand through training and other means.
- b) Advance the status of testing to the construction industry.
- c) Communicate changes in standards of technology to the testing industry.
- d) Provide a code of ethics by which members operate.
- e) Represent the views of New Zealand Testing Organisations to authorities, i.e. Transit, IANZ, Standards.
- f) Promote the benefits of high quality testing services to the construction industry.
- g) Assist members in the development of suitable proficiency and inter-laboratory testing programs.
- h) Conduct activities such as meetings, conferences, technical and social events for the benefit of its members.
- i) Promotion of civil engineering testing as a career.
- j) Investigate and promote a suitable qualification for our industry

The committee as it stands:-

Name	Company	Committee position
Steven Anderson	Geotechnics	
Paul Burton	Geotechnics	Chairman
Murray Cleveland	Fulton Hogan	Careers + Training Leader
Graeme Duske	Connell Wagner	
Jayden Ellis	Stevensons	Technical Issues Leader
John Evans	Opus	
Portly Griffiths	Fulton Hogan	
Howard Jeffrey-Wright	Downer EDI Works Ltd	
Claire Laybourne	Beca – Geotest	Society Activities Leader
Michael McGlynn	Geotechnics	Treasurer
Stuart Moulding	Civiltrain	Editor
Brigitte Sargent	Geotechnics	Management Secretary

Two more meetings have been held since then with the committee splitting into 3 working group areas:-

- **Careers and Training**
- **Society Activities**
- **Technical Issues**

These groups are derived from the issues raised at the conference. The members of each group nominated potential leaders and then voted with the respective leaders noted in the table above. The different groups have met independently to review the issues and set goals for the coming 3 years. The scope of each group is outlined by each leader, later in this publication.

## **16<sup>th</sup> July 2007 – IPENZ (Institute of Professional Engineers NZ) affiliation as a Collaborating Technical Society (CTS)**

Our committee decided that we should pursue an affiliation with IPENZ for the following reasons:-

- IPENZ has a good industry standing and would provide an excellent backbone for our alignment.
- As a CTS (Collaborating Technical Society) of IPENZ, we will represent our area of expertise to their organisation. Therefore any requirements in our scope of work will be reviewed through CETANZ.
- The development of Registers for Registered Engineering Technicians and Technologists will be handled through IPENZ, this is a key area of development for our Career and Training section.
- IPENZ can provide us with a service from their Head Office in Wellington that will handle invoicing, accounts, membership and mailouts.

## **August 2007 – onwards**

We are now welcoming members into CETANZ. I would like to encourage your participation in our National Organisation. We will be providing regular newsletters of developments in our industry, both technical and social. We will be helping members to become involved in professional development. There are numerous other benefits that will develop over time from our collective minds coming together to provide a better industry for the future.

Our Website [www.cetanz.org.nz](http://www.cetanz.org.nz) will have a copy of the Membership Application form along with a pdf version of our rules.

Please note that we have included a Code of Ethics that all members are required to comply with whilst working in Civil Engineering Testing. At the CELC2006 event many issues were raised regarding Quality Level compliance being achieved but Ethics may not be followed, this Code is expected to sort these issues out. All members will need to be nominated and seconded with a final approval by the committee. Please do not feel daunted by this system, it is in place to ensure that we can uphold the Code of Ethics for the benefit of all members. Please feel free to contact me directly if you require assistance to complete the membership application on email at [pburton@geotechnics.co.nz](mailto:pburton@geotechnics.co.nz) or Phone. (07)571-0280.

We are encouraging members to use MCETANZ on their business cards and email footers etc to show their commitment to improving our industry and adhering to our Code of Ethics. In time we hope to see MCETANZ being a standard that all Technicians in our industry can relate to and want to be part of. We would hope that CETANZ can provide significant benefits to our members whilst helping them to develop their career goals, whether that be through registration or qualifications.

We are looking at regional activities being held throughout the year with a co-ordinator organising visits, seminars and social occasions. We are keen to hear from anyone who would be keen to take on this responsibility for their region.

We are already starting to see the benefit of CETANZ with a proficiency testing programme being developed in conjunction with key stakeholders. We are seeing technical issues being keenly debated with the intention of improving our technical standards. There are so many areas of development currently being looked at by our working groups that we should be encouraged to see our industry developing for the future.

Please read this newsletter and feel free to contact us if you would like to get involved. We look forward to getting as many people and organisations as possible, involved in our new industry organisation, CETANZ.

*Article written by Paul Burton, Chairman of CETANZ*

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## News from the working groups

### **-Careers & Training Group-** *written by Steven Anderson*

The aim of our group is to provide clear paths for career development and training for those of us who have chosen civil engineering testing as a career.

Broadly our goals are:

1. IPENZ professional registration for members
2. Continuous professional development for members
3. Assist with qualifications development
4. Raise the profile of civil engineering as a career

#### **Goal 1: Encourage and Assist CETANZ Members to Attain IPENZ Profesional Registration.**

IPENZ operates three competence based membership registers for engineering professionals. These are:

- Professional Engineers
- Engineering Technologists
- Engineering Technicians.

CETANZ objective is to assist and encourage members to aspire to membership with IPENZ as a registered professional, either as a Certified Engineering Technician (CertETn) or an Engineering Technology Practitioner (ETPract).

The working group will gather the relevant information and provide information packs for members.

The CETANZ Careers and Training Working Group will determine how we can assist the IPENZ Registration Panel with a jurisdiction framework for our civil engineering testing professionals. This may also include putting forward people to stand on the IPENZ Registration Panel.

**Goal 2: Provide Areas for Continuous Professional Development of Members.**

The Careers and Training Work Group will provide governance and determine what is needed for professional development such as:

- Seminars
- Technical talks/ workshops
- Discussion Groups
- Short Courses
- Conferences

The Societies Activities Working Group will implement and co-ordinate these.

**Goal 3: Identify and Assist with the Development of World Class Qualifications Within New Zealand for Civil Engineering Testing Professionals.**

Identify what is being offered by current education providers in New Zealand.

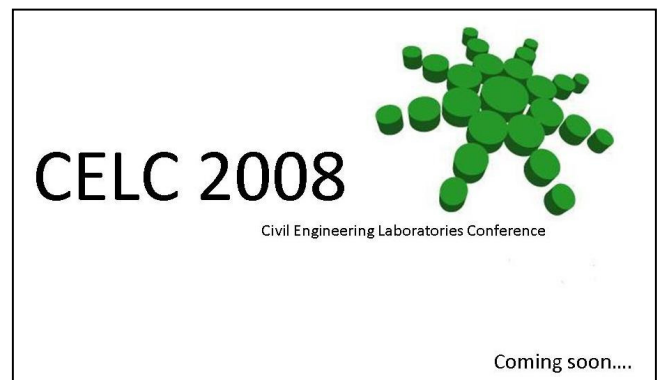
Compare New Zealand qualifications with education providers in other countries such as UK, USA and Australia. From this determine what improvements can be made to New Zealand qualifications that would best suit our industry.

Assist education providers with training / course development that will give us world class civil engineering testing qualifications. An example would be a New Zealand Civil Engineering Testing Technicians Certificate with NZQA, which may be a compilation of current and new courses.

**Goal 4: Raise the Profile and of Civil Engineering Testing as a Career.**

Promotion of Civil Engineering Testing as a career choice through:

- Trade and career expos
- Career advisors
- Education providers
- Employers



### **-Society Activities Group-** *written by Claire Laybourne*

The Society Activities working group have been set the task of brain storming and organising society activities. We have some big projects on our agenda, firstly getting the newsletter up and running. You are reading the first issue of a 6 monthly newsletter to keep everyone up to date with the society and the world of materials testing. We are also leading the front to organise the next CETANZ conference, yes there will be another one. This is planned for next year and will build on what we achieved in last years' conference. We are planning for it to be even bigger and better than 2006, so watch this space and be ready to sign up. We welcome any ideas and feedback you may have, for both the conference and newsletter.

If this enormous task wasn't enough, we are also working on setting up a website to keep everyone up to date and 'in the know' with what is happening in the society; and brainstorming ideas to keep everyone occupied (when not reading the society newsletter) with social functions, site visits, news from abroad etc...

We are very excited about what is coming up for the society over the next few years, and generally what CETANZ is going to do for the materials testing industry and the people working in it.

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### **-Technical Group-** *written by Jayden Ellis*

Technical Group Purpose formulated at meeting:

The CETANZ Technical Issues Working Group has been formed to act as a common Voice for the Civil Engineering Laboratory Industry. The committee will be available to provide Technical Support to CETANZ members, and act as an Industry Representative. Tasks will include facilitating reviews of Test Methodology and Test Standards, nation wide Lab Proficiency Programs and information on Best Practice. The Group will coordinate all technical Communication and information as well as seeking Feed Back from members relating the afore mentioned issues.

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## Why join CETANZ?

Only you can answer that question when you consider what your needs are!

If you want to be part of an organisation specifically set up to provide for your development in the Civil Engineering Testing Industry, then sign up today. We are a group of like minded individuals, from a variety of disciplines, with the aim of developing our industry for the future.

What can you expect:-

- *Professional Development*

We will be setting up a network of activities throughout the regions to organise technical lectures, discussion groups, symposia and site visits. These are all important parts of CPD required when applying for the IPENZ registers.

- *Networking*

Get involved with people around the country in the same business as yourself. Make new contacts to help our industry better support our clients and further your own development.

You will receive regular newsletters much like this one with updates on what is happening around the country and overseas.

- *Careers and Training*

As a member you will receive updates on training requirements for our industry and who are the providers. As an organisation we will be aligning our activities and guidelines with IPENZs' register system whilst providing valuable input to education providers. We are keen to raise the profile of our industry to students so they view our industry as a "Career Choice".

- *Technical Issues*

We will be reviewing technical standards and providing feedback to Standards, IANZ, Transit etc regarding best practises for industry as agreed by our members. If you want to be involved in this important development area then join us to achieve a great out come for technical development.

- *Fun*

Following on from the success of the CELC conference, we will be holding CETANZ conferences on a regular basis. These are not just forums for technical issues, they are fun events where you can meet colleagues and enjoy yourself.

We are looking for regional activities to be held on a regular basis, not just CETANZ events but joint ventures with other societies within IPENZ. These events are there for your enjoyment as well as important for your professional development.

## News from the industry

### **New Blood at Stevenson Laboratory** *by Jayden Ellis (General Manager – Stevenson Laboratory)*

As I'm sure most Laboratory managers will tell you, staff turn-over is a never ending battle. Stevenson Laboratory working with its own company HR department, has recently signed on several new staff members to the Stevenson Educational Assistance Program.

The new programme enables people to work and study part-time. The laboratory will pay the course fee for every paper they pass. After they have completed their studies they'll be bonded to Stevenson for two years. During their studies the Trainee Technicians get the benefit of seeing the theory put in to practice and while working in the laboratory....will be exposed to all sorts of infrastructure projects, various civil materials, product R&D and the daily engineering issues. All of which will arm them with the practical knowledge and experience that will put them at the front of the class.

This is similar to the system I myself went through 14 years ago when I first started with Stevensons.

The first two Trainees to sign up are Okona Teu and Cobus Botha, both currently studding part time towards gaining their Civil Diploma at MIT and Unitec.

To date Cobus and Okona have both been involved with:

1. SH2 – Mangatawhiri Deviation
2. Hampton Downs Motor Sport Park
3. Hampton Downs Land Fill.

Working mainly on Subgrade Investigations,  
Bulk Fill monitoring and Pavement Testing.





## Meet the committee



**Name:** Paul Burton

**Company:** Geotechnics Ltd

**Position:** Regional Manager

**Number of years in testing industry:** 11 **Background:** I worked in the UK for 1 year as a graduate engineer with a site investigation company. I moved to NZ in 1997 and started work for Geotechnics at the Golden Cross Mine in Waihi for 3 years. I opened the Tauranga office whilst working on the PJK project. I am now responsible for Geotechnics' operations south of the Auckland region.

**What you do in your spare time:** I have 3 children which keep me busy. The rest of the time I spend gardening/DIY at home, playing golf and tennis and spend time on splendid ideas such as CETANZ.



**Name:** Steven Anderson

**Company:** Geotechnics Ltd

**Position:** Regional Manager, Auckland

**Number of years in testing industry:** 23

**Background:** Steve started with Geotechnics in 1984 working on the Marsden Point Oil Refinery Expansion Project as a Laboratory Technician performing concrete, cement, grout and aggregate testing. He transferred to the Auckland Laboratory in 1985 working in all areas of the laboratory, but specifically soils. During this time he has been involved in project work such as Kinleith Pulp & Paper Mill (Tokoroa), Kuala Lumpur to Seremban Expressway (Malaysia), Second Manapouri Tailrace Tunnel (Deep Cove). In recent years he has coordinated work on many large investigation and construction projects, such as Northern Gateway SH1, Grafton Gully Arterial redevelopment, Redvale Landfill, Whitford Landfill and other regional and national projects. Through his time at Geotechnics his role has changed from technician to the Regional Manager for Auckland Testing Services, and the company has grown from a single office to multiple offices and divisions.

**What you do in your spare time:** What spare time? Doing the kids homework for them and ferrying them to and from sports and activities. Renovating the house that supposedly did not need renovating. Going hunting for one week per year anywhere in New Zealand to get away from the kids and the renovating.



**Name:** Portly Griffiths

**Company:** Fulton Hogan

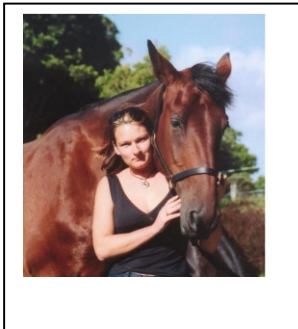
**Position:** BOP Laboratory Manager

**Number of years in testing industry:** 6 years - since I emigrated.

**Background:** My previous life back in the UK before I emigrated in 2001 was working for a civil construction company, specialising in structural alterations of properties private & commercial around the south of England. Some of the major jobs were building water treatment plants, structural works on the Savoy Hotel, & several infrastructure jobs on the London Underground & Mainline rail services.

**What you do in your spare time:** I'm married with two daughters who are 4 years & 6 months who take up most of my spare time. When they let me escape, I enjoy the piece & quiet of fishing off the coast of the Bay of Plenty & in Tauranga Harbour, & spend some time watching the BOP Steamers with a few stubbies of Waikato!

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**Name:** Brigitte Sargent

**Company:** Geotechnics Ltd

**Position:** Manager Sales

**Number of years in testing industry:** 14

**Background:** Started in sales with Geotechnics in 1993. I have been lucky enough to travel New Zealand meeting many lab managers, technicians, contractors and engineers throughout my career. My current role is National Manager for the sales, calibration and training division.

**What you do in your spare time:** what's that? Between a young daughter, horse, donkey, lifestyle block, sheep, goats, cats, dog and a parrot there doesn't seem to be much time! I always enjoy a glass of wine with good company though :-)

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**Name:** Howard Jeffery-Wright

**Company:** Downer EDI Works

**Position:** Laboratory Manager

**Number of years in testing industry:** 20 years in materials technology

**Background:** Howard started as Trainee Junior Laboratory Technician working for a large UK Civil Engineering Company on major projects where he progressed to Junior Materials Engineer responsible for the procurement and QA/QC testing of materials for large national infrastructure projects. Howard was also involved during this time with research and development on concrete and cementitious materials for specialist civil engineering applications.

Howard moved to Hong Kong for two years where he was involved with the construction of the new international airport at Chek Lap Kok for Fugro HK Ltd;

this involved work testing materials for the construction of the island platform, structures and airfield pavement

On return to the UK Howard looked after a major national asphalt/aggregates laboratory before moving to their research and development department as a Research Project Manager; was responsible for projects in recycled materials, mortars/screeds, bitumen/asphalt and materials technology transfer. Howard also sat on University steering groups in Nottingham and Liverpool for development of new testing methods and technologies within the UK, during this time he completed a degree in Applied Environmental Geology.

Howard moved to New Zealand in April 2006, with his wife and two young children. He is currently managing the running and expansion of the testing and R&D facilities at the Downer EDI Works laboratory in Auckland.



**Name:** Claire Laybourne

**Company:** Beca - Geotest

**Position:** Lab Manager

**Number of years in testing industry:** Coming up to 7 years

**Background:** I completed a MSc in Earth Science in 2000 and started out in the testing industry as a technician for Winstone Aggregates Auckland Laboratory, where I moved up to lab supervisor. I joined Geotest, Beca's independent IANZ accredited geotechnical laboratory, in 2004 as laboratory manager.

**What I do when I am not at work:** I am a keen mountain biker and enjoy taking part in team mountain biking events around New Zealand.



**Name:** Michael McGlynn

**Company:** Geotechnics

**Position:** Technical Consultant

**Number of years in testing industry:** 3

**Background:** Before joining the Sales team at Geotechnics I worked for Auckland Cricket as a development officer touring primary schools teaching kids the basic skills of cricket. I started part time with Geotechnics in the laboratory initially and after a short while moved into calibrations and then sales. Coming into the job more by chance than a planned career I've loved being a part of the industry and have been extremely lucky to travel the country with it and work with some really interesting people

**What you do in your spare time:** I like to be playing sport and enjoying the outdoors. I like to keep fit by running and playing just about any sport I can. Golf, tennis, cricket, touch.....anything that involves the outdoors and exercise im there! Other than that I like to hang out with my friends, watch the league and play poker.



**Name:** John Evans

**Company:** Opus International Consultants

**Position:** Laboratory Manager

**Number of years in testing Industry:** 39 years

Have worked on projects on Tunnels , Dams, Bridges, Airports, Ports, Roads , Investigations and Quality Assurance with experience in soils ,concrete, Stabilising, Instrumentation, Aggregates, steel and Xray

**Spare time:** Manager of Pakuranga Under 85kg Rugby Team.



**Name:** Murray Cleveland

**Company:** Fulton Hogan Wanganui

**Position:** Laboratory Manager

**Number of years in testing industry** 30+

**Background:** Murray has an extensive background in the civil engineering industry. He has spent many years working in laboratories and successfully owned and operated a testing laboratory in the Wanganui region before starting with Fulton Hogan.

**What you do in your spare time:** Recently been on vacation with family to Maldives. Hobbies are tramping, travelling and a few quiet bebies of course



**Name:** Stuart Moulding

**Company:** CivilTrain Ltd

**Position:** Tutor/Director

**Number of years in testing industry:** 10

**Background:** Completed a degree in Earth Sciences at the University of Waikato in and began work as a lollipop man (!!) for a construction crew at Fulton Hogan Waikato - thus learning to build roads the hard way. Then moved to an IANZ lab and was responsible for testing, sampling and reporting of aggregates, soils, asphalt and bitumen. Then I became a sales rep but couldn't sell gloves to polar bears so decided to give training a crack. That was 6 years ago and have now moved on to form my own company, CivilTrain. This sees me travelling NZ and Australia delivering courses to a wide range of candidates in various industries.

**What you do in your spare time:** I enjoy some bizarre things, bow-fishing for giant Koi Carp, music production, DJ-ing and the great outdoors oh and anything by Ricky Gervais!



**Name:** Jayden Ellis

**Company:** Stevenson Laboratory Ltd

**Position:** General Manager

**Number of years in testing industry** 14+

**Your background (brief):** I have been with Stevenson Laboratory since leaving High School and starting my New Zealand Certificate in Engineering (Civil). I studied part time while working a 45hr week with the lab as a Trainee Technician. During my time in the Laboratory I have worked closely with many Stevenson and External Concrete, Aggregate, Civil Contractor, Masonry and Paving businesses. I completed my NZCE in 2000 and became Supervisor of the Laboratory not long after. In late 2001 I took over the Laboratory Manager role.

**What you do in your spare time:**

I don't have any I'm too busy to have spare time ... but if I did I would most likely spend my spare time fishing, racing cars, rebuilding anything that I could take apart.....I would spend more time with family and would probably also have time to settle down and get married .....but I live in Auckland and that simply is not allowed up here ..... Plus I think its in my contract ... ha ha .....



**Name:** Graeme Duske

**Company:** Connell Wagner

**Position:** Geotechnical Technician

**Number of years in testing industry:** 44

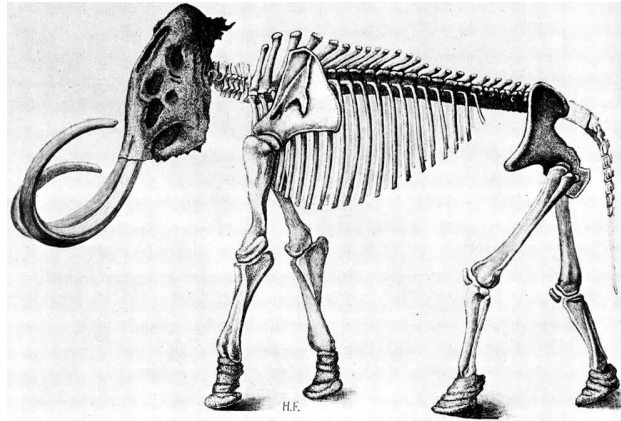
**Background:** Started working for Ministry of Works Laboratory in Auckland in Soil Testing laboratory and obtained my N.Z.C.E.(Civil) at A.T.I. The work varied from drilling and CPT investigations, laboratory soil testing to pavement performance on motorway test sections.

In 1970's was employed in Roading Research at the University of Auckland, that changed to operational control of the Geotechnical Laboratory until 2001. Did undergraduate laboratory teaching in soil testing and field investigations with graduate assistance and research. Undertook consultative testing for liquefaction potential and the performance of roading aggregate using specialized triaxial equipment. F.O.R.S.T contract involvement for laboratory and field testing of volcanic ash soils and calibration chamber testing of pumice sand. Presently undertaking geotechnical investigations and compliance for subdivisions in the Bay of Plenty.

**What do you do in your spare time:** Enjoy the outdoors and fish the local waters. In 1970's I won a flying scholarship and obtained my Pilot's Licence. My present project is to complete a large shed/workshop and assemble a microlight aircraft from a kit and get back up to some affordable flying along the Bay coastline.



## Conference 2008



Remember that Mammoth Task we were going to sort out for our industry?????

We've got the bare bones sorted with the setup of CETANZ, lets start to get things happening. The CETANZ Conference is happening in Auckland, September 2008. Book it in your diary now, get your boss to sign something that gets you there.

We will be issuing a call for papers before the end of this year. There will be technical papers along with plenary sessions for all disciplines. This is where you get to find out what your work will be for the next 5 years and beyond, don't miss out!



Would you like to advertise or contribute to CETANewZ?

If so please contact the editor:-

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