

**English B – Higher level – Paper 1**  
**Anglais B – Niveau supérieur – Épreuve 1**  
**Inglés B – Nivel superior – Prueba 1**

Thursday 1 November 2018 (afternoon)

Jeudi 1 novembre 2018 (après-midi)

Jueves 1 de noviembre de 2018 (tarde)

1 h 30 m

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**Text booklet – Instructions to candidates**

- Do not open this booklet until instructed to do so.
- This booklet contains all of the texts required for paper 1.
- Answer the questions in the question and answer booklet provided.

**Livret de textes – Instructions destinées aux candidats**

- N'ouvrez pas ce livret avant d'y être autorisé(e).
- Ce livret contient tous les textes nécessaires à l'épreuve 1.
- Répondez à toutes les questions dans le livret de questions et réponses fourni.

**Cuaderno de textos – Instrucciones para los alumnos**

- No abra este cuaderno hasta que se lo autoricen.
- Este cuaderno contiene todos los textos para la prueba 1.
- Conteste todas las preguntas en el cuaderno de preguntas y respuestas.

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Text A

### Boston DJs support ZUMIX

In this day and age, some smartphone-wielding tech snobs might argue that live radio isn't relevant any more. But for ZUMIX, launching an FM radio station in 2016 was one of the biggest steps in its 25-year history.

5      Founded in 1991, ZUMIX, an East Boston non-profit organization and community center, is dedicated to providing access to top-quality arts experiences for a low-income, under-served neighborhood. At ZUMIX, children and teens can learn how to play an instrument, record music, or they can become an on-air radio personality.

To celebrate the anniversary of its founding, the organization is hosting an event "Boston DJs for ZUMIX" this Friday (March 31). The occasion will feature performances from musicians and guest DJs, including "Morning Guy Tai" Irwin, the organizer of the event.

"I've long admired ZUMIX for their hands-on work with teenagers, work that gets results, and launches kids into young adulthood, college, and a creative, productive life," Irwin tells *Vanyaland*. "When ZUMIX acquired a radio station, I got involved with the community center and quickly saw the advantages and opportunities that it was providing to Boston youth," he added.

20      Irwin tells the story of working in a Long Island ice cream parlour as a teenager, when his career path took an unlikely turn as a result of a free ice cream cone.

"On slow nights I called WLIR radio and made requests. Most of the DJs would answer the phone, and many played my requests. In return I'd offer them ice cream. One DJ, Denis McNamara, actually came into the store, which was located about a mile from their studios, and took me up on an offer of a free ice cream. We talked for a while and he then invited me to come up there and just hang out.

25      "A few nights later, while I was visiting the studios, an announcer asked me to read one line of a commercial — so I said 'Long Island Honda in Hicksville' and I was immediately addicted to being on air. Now I had direction, focus and an identity that I would never lose. For the next 30 years, radio was my world."

30      Irwin hopes that the Boston radio community will support 94.9 FM so that the station can continue its youth radio program and give participants the same career boost he received as a teenager.

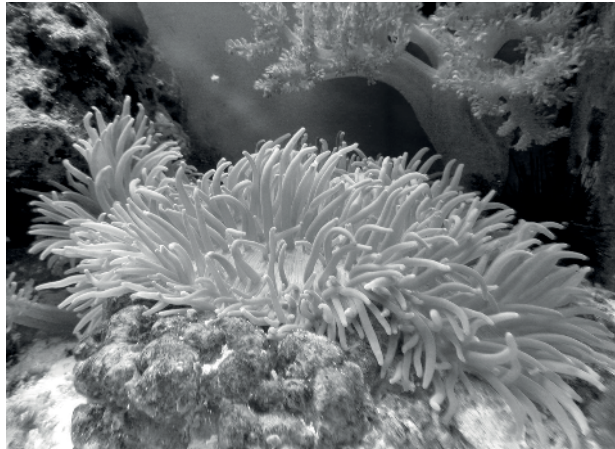
35      "I love being involved with all aspects of ZUMIX," says Irwin. "I see what it does for the kids in East Boston, and I immediately relate to them. ZUMIX is not just another after-school program," he says, "it's the soul of East Boston, the soul of young Boston, of young America."



Adapted from Victoria Wasylak, www.vanyaland.com, www.zumix.org (accessed 2017)

Text B

## The Great Barrier Reef is dying: we need to act now!



April 05, 2017 4:00PM By Lorna Gray

There's nothing quite like being surrounded by beautiful, vibrant corals, stunning fish and exotic sea creatures. But have you ever snorkelled the Great Barrier Reef? I'm lucky enough to say I have. It's not only beautiful but it is the largest reef ecosystem on Earth. It's no wonder people flock from every corner of the globe to snorkel there.

But did you know that the reef, which also happens to be one of the seven natural wonders of the world, is in trouble? In fact, it's in grave danger.

Sure, you've probably heard about this in the media but the seriousness of the situation is terrifying. In fact, it's currently suffering through a severe bleaching event for an unprecedented second year in a row.

We now know that bleaching is caused by a drastic rise in sea temperatures and this causes the corals to turn ghostly white — they're basically revealing their skeletons. In effect, it kills the corals.

Since 1985, the Great Barrier Reef has suffered a loss of 50 % of its stunning corals. This is due to a variety of factors, the most important being pollution. The mass bleaching of corals that occurred in 2016 and again in 2017 has been absolutely catastrophic for the reef. 81 % of the corals are now bleached and this means they're at risk of dying.

"The coral bleaching is a warning sign," says conservationist John Rumney. "We need to pay attention to it."

"The coral on the Great Barrier Reef is the building block for biodiversity," says Rumney. "There are 600 different species of coral, and two and a half thousand species of fish. You wipe the corals out and you wipe out their food chain. And if the corals collapse, the fishing industry will collapse too. The reef, as we know it, may never come back if we humans keep polluting it."

25 So what will happen to the Great Barrier Reef next, you might ask. Um... well, nobody actually knows what will happen if or when...

“Researchers can only hazard a guess,” says Dr Dean Miller, Science Director at Great Barrier Reef Legacy.

30 “Tiny marine algae live inside the corals’ tissue and [ - X - ] they provide the corals with the energy they need to grow and reproduce,” explains Dr Miller.

“But when that coral is bleached, the algae will often die from overheating, or simply leave. The corals starve [ - 17 - ] they’re without their main food and energy source.”

Dr Miller also believes that the 2016 coral bleaching was the worst on record. [ - 18 - ], more than two-thirds of corals were killed in some areas.

35 It’s worth noting that this is a worldwide epidemic [ - 19 - ]. Corals have been bleaching continuously across the Pacific Ocean since mid-2014 and this is a worldwide cause for concern. [ - 20 - ] we can act to save this global asset and Australian icon. But we need to start caring now.

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Text C

## Why water is becoming the “new oil”



The average North American does not think twice when they turn on the water for a shower, or to clean their hands. We have all enjoyed access to clean, fresh water for years without a single worry. Unfortunately, this is likely to change in the future. For drought-afflicted states like California, that future is arriving rather quickly. Californians already have to deal with water restrictions. These will likely be extended to other states as time progresses. This is because water is the “new oil”. It is a phrase that you will likely hear over and over again in the near future. Let’s take a look at why people are taking up this new refrain.

### Why water is the “new oil”

Political pundits like to claim that water is the “new oil” because both are finite resources that serve as the basis for conflicts. As we march toward the future, water will likely replace oil as the most valued resource simply because it is fundamental to the survival of humanity and we do not have enough of it for our growing population. Eventually, humanity will likely run out of fresh water. When we reach the point where we only have salt water, desalinization will be of the utmost importance. This is a process that takes the salt and various minerals out of salt water to produce drinking water. However, the desalinization process is expensive and takes a significant amount of time to complete.

### What will the future look like?

If humanity fails to limit population growth, wars will inevitably be fought for access to fresh water, just like they were fought over oil in the 20th century. However, it is doubtful whether countries around the world can institute family planning programs to curb population growth. Engineers broadly agree that humanity will eventually figure out how to fuel vehicles with a substance other than oil, yet humanity will probably not figure out how to survive without fresh water. Politicians, economists, demographers and just about anyone else “in the know” agree that access to clean and fresh water will soon become humanity’s most important challenge.

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**Humanity's 21st century water challenge**

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We are tasked with determining how to make the most efficient use of our existing fresh water resources. Our water must be used in a much more sustainable manner with an eye on posterity. As an example, consider hydro-fracking\* companies that contaminate millions of gallons of water in an effort to secure the natural gas positioned beneath the surface of the earth. Critics argue that fracking will therefore lead to increased competition for our existing water resources. Nor is it prudent to use massive amounts of water to maintain lush green golf courses throughout the year. If we continue our wasteful ways, water could eventually become even more valuable than oil. Such a statement seems exaggerated when uttered today yet it could easily come to fruition in the next two decades.

Adapted from <http://choiceorlife.com> (accessed 2017)

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\* hydro-fracking: the use of highly pressurized liquid to fracture rocks in order to access natural gas and oil



Text D

**An extract from *As I Walked Out One Midsummer Morning***



Presently I got up and dressed, stuck my violin under my jacket, and went out into the streets to try my luck. It was now or never. I must face it now, or pack up and go back home. I wandered about for an hour looking for a likely spot, feeling as though I were about to commit a crime. Then I stopped at last under a bridge near the station and decided to have a go.

I felt tense and shaky. It was the first time, after all. I drew the violin from my coat like a gun. It was here, in Southampton, with trains rattling overhead, that I was about to declare myself. One moment I was part of the hurrying crowds, the next I stood nakedly apart, my back to the wall, my hat on the pavement before me, the violin under my chin.

The first notes I played were loud and raw, like a hoarse declaration of protest, then they settled down and began to run more smoothly and to stay more or less in tune. To my surprise, I was neither arrested nor told to shut up. Indeed, nobody took any notice at all. Then an old man, without stopping, surreptitiously tossed a penny<sup>1</sup> into my hat as though getting rid of some guilty evidence.

Other pennies followed, slowly but steadily, dropped by shadows who appeared not to see or hear me. It was as though the note of the fiddle<sup>2</sup> touched some subconscious nerve that had to be answered – like a baby's cry. When I'd finished the first tune there was over a shilling<sup>3</sup> in my hat: it seemed too easy, like a confidence trick. But I was elated now; I felt that wherever I went from here this was a trick I could always live by.



20 I worked the streets of Southampton for several days, gradually acquiring the truths of the  
trade. Obvious enough to old-timers, and simple, once learnt, I had to get them by trial and  
error. It was not a good thing, for instance, to let the hat fill up with money – the sight could  
discourage the patron; nor was it wise to empty it completely, which could also confuse him,  
25 giving him no hint as to where to drop his money. Placing a couple of pennies in the hat to  
start the thing going soon became an unvarying ritual; making sure, between tunes, to take  
off the cream, but always leaving two pennies behind.

Laurie Lee, *As I Walked Out One Midsummer Morning* (1969)

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<sup>1</sup> penny: a unit of currency approximately equal to one US cent

<sup>2</sup> fiddle: violin

<sup>3</sup> shilling: a unit of currency, 12 pennies

Text E

# Give me Wi-Fi!

## How to get Internet and Wi-Fi when backpacking in New Zealand

[ - X - ]

When you get to New Zealand, it will be so much easier and cheaper if you get a New Zealand SIM card. If you are crazy about social media, get a phone plan which includes a lot of network data capacity. This will be your saviour if you are staying somewhere with expensive Wi-Fi.



[ - 47 - ]

It can be cost-effective to pay for internet for limited periods of time. One internet service worth having is Global Gossip: you either pay NZ\$4 for 24 hours or NZ\$12 for 7 days to connect to Wi-Fi at any Global Gossip hotspot.

[ - 48 - ]

For those backpacking, one of the selling points for a lot of New Zealand hostels is that they are not only affordable but also offer free Wi-Fi. However, don't expect a super speedy connection. Nonetheless, if you purchase a Youth Hostel Association membership, there's free Wi-Fi at more than 25 youth hostels around the country.

[ - 49 - ]

Customers on a monthly phone plan can use the 1000+ free Wi-Fi zones all over the country. Internet cafes are another obvious solution, but be prepared to pay.

If you are on a shoestring, the best way to get Wi-Fi while in a New Zealand town or city is to buy a coffee. Many cafes have free Wi-Fi that is ample for uploading photos and videos. Some cafes have time or bandwidth limits on Wi-Fi.

While cruising New Zealand's major cities, there are also a number of free public Wi-Fi hotspots you can access. In other towns, is not uncommon to find free Wi-Fi in libraries. Some have functioning connections, others don't.

[ - 50 - ]

If you are on a working holiday in New Zealand, you will probably rent somewhere. Most rented accommodation will include a monthly charge for Wi-Fi. Otherwise, you may have to pay separately for broadband services. In such cases, you can subscribe to a budget option, as long as you are willing to sacrifice faster download and upload speeds.

So, while in New Zealand, look out for the best internet connections and be prepared to pay a little for them. Happy travels!

Text: <http://www.backpackerguide.nz/>

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