CAMBRIDGE
UNIVERSITY PRESS

PLENARY SPEECH

Linking second language speaking task performance and language testing

Peter Skehan

University College London, London, UK
Email: peterskehan@gmail.com

Abstract

This written version of a plenary to the Language Testing Research Colloquium relates research into second language speaking task performance to language testing. A brief review of models of communicative competence and of speaking is provided. Then, two major areas within testing are discussed: the concepts of difficulty and ability for use. The next section covers research into spoken task-based performance, covering effects from task conditions, and from task characteristics. In addition, the measurement of such performance is described and briefly compared with performance rating in testing. Then, the final section relates the task research findings to language testing. A framework for testing spoken performance is outlined, and the general claim made that effective sampling through tests, in order to generalise to real-world performance, can usefully draw on findings from second language task research, as well as the distinction between Conceptualiser and Formulator processes.

1. Introduction

It was a considerable surprise to me to receive the Messick award. The context for this award is language testing, and while there have been times when I have published in this area, they are (mostly) well in the past, and so I was uncertain what I could cover in the associated Messick Memorial Lecture (which is given by the awardee). As a solution to this problem, I decided to draw upon more recent work I have done, focussing on second language (L2) spoken task performance, and to relate this body of work to the testing of speaking. My justification for this is that speaking figures prominently in the general area of testing, but that the research I would draw on, task-based performance with a psycholinguistic approach, while hardly unknown to testers, is less prominent than other approaches to devising and calibrating tests. My assumption was that there is potential gain in making links between these different areas, not least because task researchers are not so test-format driven. They also have different theories for conceptualising tasks, highlight different influential variables, and use different methodologies for measuring task performance.

In this written version of the plenary, there are four sections. The first explores some major models of both communicative competence and speaking. Second, I discuss two general concepts: test-task difficulty, a central puzzle in language testing, and ability for use, the capacity to produce actual language, not simply knowledge about language. The third section tries to cover relevant research from the task literature, on task characteristics, on the conditions under which tasks are done, and finally how task performance is measured. Then, the final section tries to relate the task findings to the constructs of difficulty, and ability for use, and also to the field of language testing more generally.

Plenary to the 43rd Language Testing Research Colloquium, Messick Memorial Lecture, 11 March 2022, Tokyo (virtual conference).

Testing Second Language Speaking

M Carnoy

Testing Second Language Speaking:

This Enthralling World of E-book Books: A Detailed Guide Unveiling the Benefits of E-book Books: A Realm of Ease and Versatility E-book books, with their inherent mobility and simplicity of access, have liberated readers from the limitations of physical books. Done are the days of lugging cumbersome novels or carefully searching for particular titles in shops. Kindle devices, stylish and lightweight, effortlessly store an extensive library of books, allowing readers to immerse in their favorite reads whenever, everywhere. Whether commuting on a busy train, relaxing on a sun-kissed beach, or simply cozying up in bed, E-book books provide an unparalleled level of convenience. A Reading Universe Unfolded: Discovering the Vast Array of Kindle Testing Second Language Speaking Testing Second Language Speaking The Kindle Store, a digital treasure trove of bookish gems, boasts an extensive collection of books spanning diverse genres, catering to every readers preference and choice. From captivating fiction and mind-stimulating non-fiction to classic classics and contemporary bestsellers, the E-book Shop offers an unparalleled abundance of titles to explore. Whether looking for escape through engrossing tales of imagination and exploration, diving into the depths of historical narratives, or expanding ones understanding with insightful works of science and philosophy, the Kindle Store provides a gateway to a bookish universe brimming with endless possibilities. A Revolutionary Force in the Bookish Scene: The Enduring Influence of Kindle Books Testing Second Language Speaking The advent of E-book books has unquestionably reshaped the literary scene, introducing a model shift in the way books are released, distributed, and read. Traditional publication houses have embraced the digital revolution, adapting their approaches to accommodate the growing need for e-books. This has led to a rise in the availability of E-book titles, ensuring that readers have access to a vast array of literary works at their fingertips. Moreover, Kindle books have equalized access to literature, breaking down geographical limits and offering readers worldwide with similar opportunities to engage with the written word. Regardless of their location or socioeconomic background, individuals can now engross themselves in the captivating world of literature, fostering a global community of readers. Conclusion: Embracing the Kindle Experience Testing Second Language Speaking E-book books Testing Second Language Speaking, with their inherent ease, versatility, and wide array of titles, have undoubtedly transformed the way we encounter literature. They offer readers the freedom to explore the limitless realm of written expression, whenever, anywhere. As we continue to navigate the ever-evolving online scene, E-book books stand as testament to the enduring power of storytelling, ensuring that the joy of reading remains accessible to all.

Table of Contents Testing Second Language Speaking

Testing Second Language Speaking Introduction

In this digital age, the convenience of accessing information at our fingertips has become a necessity. Whether its research papers, eBooks, or user manuals, PDF files have become the preferred format for sharing and reading documents. However, the cost associated with purchasing PDF files can sometimes be a barrier for many individuals and organizations. Thankfully, there are numerous websites and platforms that allow users to download free PDF files legally. In this article, we will explore some of the best platforms to download free PDFs. One of the most popular platforms to download free PDF files is Project Gutenberg. This online library offers over 60,000 free eBooks that are in the public domain. From classic literature to

historical documents, Project Gutenberg provides a wide range of PDF files that can be downloaded and enjoyed on various devices. The website is user-friendly and allows users to search for specific titles or browse through different categories. Another reliable platform for downloading Testing Second Language Speaking free PDF files is Open Library. With its vast collection of over 1 million eBooks, Open Library has something for every reader. The website offers a seamless experience by providing options to borrow or download PDF files. Users simply need to create a free account to access this treasure trove of knowledge. Open Library also allows users to contribute by uploading and sharing their own PDF files, making it a collaborative platform for book enthusiasts. For those interested in academic resources, there are websites dedicated to providing free PDFs of research papers and scientific articles. One such website is Academia.edu, which allows researchers and scholars to share their work with a global audience. Users can download PDF files of research papers, theses, and dissertations covering a wide range of subjects. Academia.edu also provides a platform for discussions and networking within the academic community. When it comes to downloading Testing Second Language Speaking free PDF files of magazines, brochures, and catalogs, Issuu is a popular choice. This digital publishing platform hosts a vast collection of publications from around the world. Users can search for specific titles or explore various categories and genres. Issuu offers a seamless reading experience with its user-friendly interface and allows users to download PDF files for offline reading. Apart from dedicated platforms, search engines also play a crucial role in finding free PDF files. Google, for instance, has an advanced search feature that allows users to filter results by file type. By specifying the file type as "PDF," users can find websites that offer free PDF downloads on a specific topic. While downloading Testing Second Language Speaking free PDF files is convenient, its important to note that copyright laws must be respected. Always ensure that the PDF files you download are legally available for free. Many authors and publishers voluntarily provide free PDF versions of their work, but its essential to be cautious and verify the authenticity of the source before downloading Testing Second Language Speaking. In conclusion, the internet offers numerous platforms and websites that allow users to download free PDF files legally. Whether its classic literature, research papers, or magazines, there is something for everyone. The platforms mentioned in this article, such as Project Gutenberg, Open Library, Academia.edu, and Issuu, provide access to a vast collection of PDF files. However, users should always be cautious and verify the legality of the source before downloading Testing Second Language Speaking any PDF files. With these platforms, the world of PDF downloads is just a click away.

FAQs About Testing Second Language Speaking Books

What is a Testing Second Language Speaking PDF? A PDF (Portable Document Format) is a file format developed by Adobe that preserves the layout and formatting of a document, regardless of the software, hardware, or operating system

used to view or print it. **How do I create a Testing Second Language Speaking PDF?** There are several ways to create a PDF: Use software like Adobe Acrobat, Microsoft Word, or Google Docs, which often have built-in PDF creation tools. Print to PDF: Many applications and operating systems have a "Print to PDF" option that allows you to save a document as a PDF file instead of printing it on paper. Online converters: There are various online tools that can convert different file types to PDF. **How do I edit a Testing Second Language Speaking PDF?** Editing a PDF can be done with software like Adobe Acrobat, which allows direct editing of text, images, and other elements within the PDF. Some free tools, like PDFescape or Smallpdf, also offer basic editing capabilities. **How do I convert a Testing Second Language Speaking PDF to another file format?** There are multiple ways to convert a PDF to another format: Use online converters like Smallpdf, Zamzar, or Adobe Acrobats export feature to convert PDFs to formats like Word, Excel, JPEG, etc. Software like Adobe Acrobat, Microsoft Word, or other PDF editors may have options to export or save PDFs in different formats. **How do I password-protect a Testing Second Language Speaking PDF?** Most PDF editing software allows you to add password protection. In Adobe Acrobat, for instance, you can go to "File" -> "Properties" -> "Security" to set a password to restrict access or editing capabilities. Are there any free alternatives to Adobe Acrobat for working with PDFs? Yes, there are many free alternatives for working with PDFs, such as: LibreOffice: Offers PDF editing features. PDFsam: Allows splitting, merging, and editing PDFs. Foxit Reader: Provides basic PDF viewing and editing capabilities. How do I compress a PDF file? You can use online tools like Smallpdf, ILovePDF, or desktop software like Adobe Acrobat to compress PDF files without significant quality loss. Compression reduces the file size, making it easier to share and download. Can I fill out forms in a PDF file? Yes, most PDF viewers/editors like Adobe Acrobat, Preview (on Mac), or various online tools allow you to fill out forms in PDF files by selecting text fields and entering information. Are there any restrictions when working with PDFs? Some PDFs might have restrictions set by their creator, such as password protection, editing restrictions, or print restrictions. Breaking these restrictions might require specific software or tools, which may or may not be legal depending on the circumstances and local laws.

Find Testing Second Language Speaking :

tutorial work from home setup
future of work for beginners
async communication ebook
~~future of work best~~
work from home setup advanced
top virtual reality office

pro time blocking planner
work from home setup toolkit
framework digital productivity
remote jobs toolkit
checklist coworking spaces
guide async communication
freelance platforms trending
toolkit hybrid work
latest work from home setup

Testing Second Language Speaking :

interchange 1 assessment tests and quizzes 5th edition - May 15 2023
oct 5 2020   interchange is a four level american english course that has been utilized by over 50 million college students worldwide this stage 3 assessment comprises exams and quizzes to evaluate college students data at each stage of doing the course with reply keys format doc pdf mp3 size 45 92 mb
english final exam new interchange 1 units 1 4 pdf scribd - Sep 19 2023
english final exam new interchange 1 units 1 4 free download as word doc doc pdf file pdf text file txt or read online for free scribd is the world s largest social reading and publishing site
final test interchange 1a analytics budgetbakers com - May 03 2022
final test interchange 1a 3 3 young adult learners of north american english the course has been revised to reflect the most recent approaches to language teaching and learning it remains the innovative series teachers and students have grown to love while incorporating suggestions from teachers and students all over the world this edition
interchange final test b intro units 1 8 vsip info - Jul 05 2022
interchange intro units 1 4 test interchange intro 1 units 1 4 final exam part 1 choose the best response to for each question 1 how do you spell 66 8 97kb read more
final test interchange 1a ol wise edu jo - Sep 07 2022
merely said the final test interchange 1a is universally compatible with any devices to read final test interchange 1a downloaded from ol wise edu jo by guest ortiz kendal interchange video teacher s guide 2 cambridge university press authentic examination papers for learners preparing for the revised cambridge english young learners from 2018
interchange final test b intro units 1 8 pdf scribd - Mar 13 2023

interchange final test b intro units 1 8 free download as pdf file pdf text file txt or read online for free interchange final test b intro units 1 8

final test interchange 1a files climagic org - Jun 04 2022

final test interchange 1a 3 3 interchange fees have been the focal point for debate in the card industry among competition authorities and policy makers as well as in the economic literature on two sided markets and on the regulation of market failures this book offers insight into the economics of interchange fees first it

interchange english exams pdf scribd - Jul 17 2023

interchange english exams free download as pdf file pdf text file txt or read online for free interchange 1 unit 4 8 12 16 interchange 2 unit 4

final test interchange 1a ol wise edu jo - Nov 09 2022

4 final test interchange 1a 2021 03 21 sections of the tests and the movers student s book are available separately operation and maintenance manual cambridge university press interchange third edition is a four level series for adult and young adult learners of english from the beginning to the high intermediate level the video teacher s guide

interchange fifth edition adult young adult cambridge - Jan 11 2023

interchange fifth edition teach with confidence using the world s favorite english course interchange is a four level american english course that has been used by over 50 million students worldwide this edition has been developed

interchange final exam pdf scribd - Aug 18 2023

interchange final exam free download as word doc doc docx pdf file pdf text file txt or read online for free

interchange final test b intro units 1 8 1 pdf pdf scribd - Feb 12 2023

317731116 interchange final test b intro units 1 8 1 pdf free download as pdf file pdf text file txt or read online for free scribd is the world s largest social reading and publishing site

interchange intro tests and quizes 1 interchange assessment - Jun 16 2023

cross reference index for units 1 8 test a part items unit exercise areas tested a 1 1 listening spelling of names 2 3 listening information about nationality b 1 2 7 listening descriptions of houses and apartments c 1 2 1 9 grammar the verb be 3 4 3 3 grammar negative statements and yes no questions with be 5 6 3 8 grammar wh

final test interchange 1a secure4 khronos - Jan 31 2022

jun 27 2023 projectsdude com final exam interchange third edition cambridge if you effort to fetch and configure the final test interchange 1a it is totally simple then currently we extend the associate to buy and create bargains to download and configure final test interchange 1a therefore straightforward recognizing the hyperbole ways to acquire

final test interchange 1a old thekitroom co uk - Apr 02 2022

final test interchange 1a nuclear science abstracts department of defense authorization for appropriations for fiscal year 2005 s hrg 108 440 part 1 february 4 10 march 2 4 11 23 25 april 1 may 13 2004 108 2 hearings operation and maintenance manual railway age new interchange teacher s edition 2 interchange

english test interchange 1 pdf scribd - Apr 14 2023

english test interchange 1 free download as word doc doc docx pdf file pdf text file txt or read online for free

final test interchange 1a cyberlab sutd edu sg - Dec 10 2022

final test interchange 1a new interchange teacher s edition 1 nov 24 2021 new interchange is a multi level series for adult and young adult learners of english from the beginning to the high intermediate level the teacher s edition features page by page instructions directly opposite full size full color reproductions of the student s book

interchange 3 final test academia edu - Aug 06 2022

score interchange 3 final test name date choose the correct option 1 i d prefer a n boss who i can do my would it be ok cell phone best for a if i use your a temperamental b if use your b organized c using your c

final test interchange 1a ceu social - Oct 08 2022

final test interchange 1a reviewing final test interchange 1a unlocking the spellbinding force of linguistics in a fast paced world fueled by information and interconnectivity the spellbinding force of linguistics has acquired newfound prominence its capacity to evoke emotions stimulate contemplation and

interchange 3 final test studocu - Mar 01 2022

interchange 3 final test interchange 3 final test studocu i 039 d prefer a n boss who i can do my best for a temperamental b organized c egotistical patty is a n person that never brags about her grades a

4 8 isosceles and equilateral triangles geometry youtube - Sep 22 2023

web isosceles and equilateral triangles the congruent sides of an isosceles triangle the angle formed by the legs of isosceles triangle the side opposite the vertex angle of an

triangles equilateral isosceles and scalene math is fun - May 18 2023

web 4 8 isosceles and equilateral triangles flashcards get a hint click the card to flip in an isosceles triangle these are the two congruent sides click the card to flip 1 8 1 8

4 8 isosceles and equilateral triangles flashcards quizlet - Dec 13 2022

web explain to your teacher that the fancy math word that means the same as sides of triangles having the same measurement is congruent if you say that a triangle has two

4 5 isosceles and equilateral triangles pearson plc - Apr 17 2023

web 4 8 2 apply properties about equilateral triangles learning goals lesson 4 8 recall isosceles triangles the congruent sides

are called the the
lesson isosceles and equilateral triangles 4 8 - Apr 05 2022

lesson isosceles and equilateral triangles 4 8 - Dec 01 2021

lesson 4 8 problem solving isosceles and equilateral triangles - Mar 04 2022

geometry lesson 4 2 isosceles and equilateral - Jul 20 2023
web isosceles and equilateral triangles isosceles triangle base leg leg vertex angle base angles the base angles are congruent isosceles triangles theorem isosceles
lesson isosceles and equilateral triangles 4 8 welcome to - Aug 21 2023
web in this lesson you will learn how to use and apply properties of isosceles and equilateral triangles essential understanding the angles and sides of isosceles and equilateral
4 8 isoceles and equilateral triangles themath - Oct 23 2023
web aug 2 2010   bit ly tarversub subscribe to join the best students on the planet have instagram dm me your math problems bit ly tarvergramhangout with
isosceles and equilateral triangles wyzant lessons - Mar 16 2023
web if a triangle is equiangular then it is equilateral grindle corollary if a triangle is regular then each interior angle is 60 degrees study with quizlet and memorize flashcards
lesson isosceles and equilateral triangles 4 8 - Jun 07 2022
web lesson 4 8 problem solving isosceles and equilateral triangles fantastic the narration in my narrative work needs to be smooth and appealing to the readers while
lesson isosceles and equilateral triangles 4 8 stage gapinc - May 06 2022
web lesson isosceles and equilateral triangles 4 8 the triangle sep 18 2020 along with the circle and the square the equilateral triangle is one of the three basic forms and is
lesson 4 8 problem solving isosceles and equilateral triangles - Feb 03 2022

classifying triangles video khan academy - Jun 19 2023
web sep 30 2011   isosceles triangles have two congruent sides and two congruent base angles equilateral triangles have all side lengths equal and all angle measures equal

lesson 5 isosceles and equilateral triangles geometry a unit - Sep 10 2022

web lesson isosceles and equilateral triangles 4 8 isometric notebook feb 13 2020 isometric graph paper notebook for school college university excellent book for

isosceles and equilateral triangles elephango - Jul 08 2022

web lesson 4 8 problem solving isosceles and equilateral triangles level college high school university master s phd undergraduate essay research paper coursework

lesson 4 8 problem solving isosceles and equilateral triangles - Jan 02 2022

4 8 isosceles and equilateral triangles grand ledge high - Nov 12 2022

web lesson isosceles and equilateral triangles 4 8 isometric grid graph paper notebook 1 4 inch equilateral triangle graph pages 200 pages 100 sheets 9 3 4 x 7 1 2

pdf lesson isosceles and equilateral triangles 4 8 - Aug 09 2022

web jan 19 2021   lesson 4 8 problem solving isosceles and equilateral triangles case study on water resources college writing samples with pencil research paper on

isosceles and equilateral triangles learning resource center - Feb 15 2023

web study with quizlet and memorize flashcards containing terms like looking at Δdef which statement below is true find the value of x the measures of two of the sides of an

lesson 4 2 isosceles equilateral triangles flashcards - Oct 11 2022

web lesson isosceles and equilateral triangles 4 8 the math teacher s toolbox first lessons in plane geometry together with an application of them to the solution of

isosceles equilateral triangles problems video khan - Jan 14 2023

web lesson isosceles and equilateral triangles 4 8 report of the secretary for public instruction jun 05 2021 the mathematical gardner aug 27 2020 t he articles in

free charismatic prayer meeting format - Mar 28 2023

web charismatic prayer meeting format the young people s prayer meeting and its improvement classic reprint sep 04 2021 excerpt from the young people s prayer meeting and its improvement sometimes to have a pious middle aged or elderly member of the church attend the meetings and sit near those who are in the habit

scrc prayer groups - Jul 20 2022

web about charismatic prayer meetings a charismatic prayer meeting has been called a miracle and in one of the broad senses of that word as used by st paul a work of power we believe that the holy spirit is the leader of the prayer group and

that no two meetings will be the same

catholic charismatic prayer meeting format and structure - Sep 21 2022

web overview download view catholic charismatic prayer meeting format and structure as pdf for free more details words 823 pages 18 preview full text

prayer meetings diocese of raleigh - Jun 30 2023

web what is the format of a charismatic prayer meeting a gathering song opening prayer time of praise and worship singing prophecy god inspiring someone to speak tongues in song praise or prophecy interpretation of tongues ministering the gifts of the spirit to the people gathered in healing miracles word of knowledge see 1 cor

the essential elements of a prayer meeting ccr - Nov 23 2022

web a catholic charismatic prayer meeting has certain characteristics the experience of leaders of ccr since the beginning of the movement in the late 1960s is that a prayer meeting should contain a good balance of elements if it is going to encourage openness to prayer gifts of the spirit participation by those attending personal spiritual growth and

what is a charismatic prayer meeting ccr - Jan 26 2023

web a charismatic prayer meeting consists of a group of people from varying backgrounds who meet regularly usually weekly in an atmosphere of love and support for one another in an effort to grow in the knowledge and love of god and to show this love in their attitude to their neighbour each prayer meeting is open to anyone who wants to come

charismatic prayer meetings the catholic diocese of raleigh - Apr 28 2023

web oct 29 2016   what is the format of a charismatic prayer meeting we begin with a gathering song followed by an opening prayer time of praise and worship singing when then have a time for prophecy god inspiring someone to speak through tongues song praise or prophecy

what is a charismatic prayer meeting the catholic center for - Feb 24 2023

web what is a charismatic prayer meeting a charismatic prayer meeting is a weekly gathering of christians to give praise thanks honor and love to jesus christ as our lord and saviour it s a time we gather in community to praise god on a onetoone basis as the holy spirit moves us

catholic charismatic renewal resources - Mar 16 2022

web 29 praise and worship starter sheet 30 31 developing an openness to prophetic charisms 32 35 attitudes that foster good prophecy 36 charisms 37 38 discernment of charisms 39 40 praise and worship pages 41 49 praise and worship nsc leaflet 41 44 praise and worship outline

how to plan and lead effective prayer meetings cru - Aug 01 2023

web each prayer is brief maybe a few sentences at a time and related to what the person before said this method works best

between people who already know one another sentence prayers or praying only one sentence at a time create a more interactive environment for a group

charismatic prayer meetings adcre - Oct 23 2022

web what is the format of a charismatic prayer meeting opening prayer songs and words of praise and worship expression of word gifts word of knowledge word of wisdom prophecy tongues and interpretation of tongues inspired scripture reading teachings testimony sharing intercessory prayer healing prayer social time read 1 cor 14 26 33

prayer meetings catholic charismatic renewal archdiocese of - May 30 2023

web what is the format of a charismatic prayer meeting opening prayer songs and words of praise and worship expression of word gifts word of knowledge word of wisdom prophecy tongues and interpretation of tongues inspired scripture reading teachings testimony sharing intercessory prayer healing prayer social time

catholic charismatic prayer meeting format and structure - Sep 02 2023

web dan castello branco catholic charismatic prayer meeting format and structure free download as odp pdf file pdf text file txt or read online for free

st raphael prayer group - Feb 12 2022

web what is a charismatic prayer meeting a charismatic prayer meeting is a weekly gathering of christians to give praise thanks honor and love to jesus christ as our lord and savior it s a time we gather in community to praise god on a one to one basis as the holy spirit moves us a prayer meeting is not a discussion club a therapy

prayer meeting formats the mustard seed community - Oct 03 2023

web prayer meeting formats what to expect at a prayer group meeting by fr peter smith archdiocesan liaison one of the issues that prayer groups have to deal with is that of the format of prayer meetings often once the newness of charismatic prayer meetings becomes normal it can

how to conduct a prayer meeting with pictures wikihow - Jun 18 2022

web apr 10 2023   keep the prayers moving and over time an hour of prayers will no longer seem like a long time on the other hand don t be afraid of silence give people a time to let the prayers sink in and connect with their hearts 10 end the prayer meeting in a way that gives it structure and closure

how to lead a prayer meeting cru - Dec 25 2022

web prayer meeting group prayer needs to be the staple of our fellowship just as it was for the very first believers acts 12 12 peter went to the house of mary where others gathered for prayer acts 1 13 14 scripture records that all with one mind were continually devoting themselves to prayer along with the women

charismatic prayer meeting thsonline - Aug 21 2022

web there is much variety in a charismatic prayer meeting and there is no standard format however most charismatic prayer meetings will have the following features praise and worship god is praised in song and prayer for his majesty his love and his faithfulness and thanked for his grace in our lives

guidelines for parish prayer groups of the catholic charismatic - May 18 2022

web art 2 parish prayer groups 4 the catholic charismatic renewal develops an ample range of variated ministries and apostolates one of these ministries perhaps the most popular in the archdiocese of los angeles is the prayer groups 5 prayer groups of the catholic charismatic renewal is a group of the faithful that gather

resources renee marazon - Apr 16 2022

web a must for prayer group and parish spiritual growth the ministry of the wild goose by fr dave pivonka free on line or for purchase download this pentecost today summer issue download the special golden jubilee issue here link here to access the charis site format of a catholic charismatic prayer meeting check these out