**Assignment – Unit one**

**Submitted by**: Sam Publius. A

1.Write a summary of your research interest (Not more than 200 words)

Research Interest: Acoustic Change Complex across Musicians of different genres

 **Introduction:** Auditory evoked potentials are brain responses, evoked by acoustic and processed in or near the auditory cortex, and they are known as cortical auditory evoked potentials (CAEPs). An event-related potential (ERP) is the recorded brain responses that is the direct result of specific sensory, motor, and cognitive event. Event-related potential (ERPs) include the P1-N1-P2 complex, acoustic change complex (ACC), mismatch negativity (MMN) and P3.

The Acoustic Change Complex (ACC) is a cortical evoked potential [ P1-N1-P2] elicited by a change within an ongoing sound stimulus.

Musicians attain high level of proficiency after years of rigorous practice. Musicians are trained to detect and react to changes of musical stimuli. Acoustic change complex is therefore can be used to elicit the changes in the neural representation using a change in the stimulus paradigm. Different types of musical training with varying levels of practice remains an unexplored arena.

 Any five scientific journals from among the AIISH subscriptions  (*Name of the journal, publisher,                available issues with volume  no. & year  i.e. From V. No. 1 (1) Year to V. ...., Year....* )

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|  **Sl.No** | **Name of the E-Journal** | publisher  | volume | year | Volume | Year |  **Subscription Category** |
| 1. | Hearing research | Elseiver B.V | Vol.1,issue 1 | 1978 | Vol.346 | 2017 | AIISH |
| 2. | Acta Oto-Laryngologica | Taylor and Francis | Vol.1Issue 1 | 1918 | Vol.137,Issue 4 | 2017 | AIISH |
| 3. | Audiology And Neurotology | S.Karger | Vol.1.Issue 1 | 1996 | Vol.21. Issue 6 | 2017 | AIISH |
| 4. | International Journal of Audiology | Informahealthcare | Vol.1.Issue 1 | 1962 | Vol.56.Issue4 | 2017 | AIISH |
| 5. | Seminars in Hearing | Thieme | Vol.1.Issue 1 | 1980 | Vol.38.Issue1 | 2017 | AIISH |
| 6. | American Journal of Audilogy | American Speech Language Hearing Association | Vol1. Issue1 | 1991 | VoL.26.Issue 1 | 2017 | AIISH |

**Any 10 books available  with AIISH  L& IC  (*Name/ title of the book, Author, Publisher, Year,  Accession No***

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| Name/title of the book  | Author | Publisher | Year | Accession no. |
| Clinical application of the auditory brainstem response  | Hood, Linda J | Singular publishing group | 1988 | 12256 |
| Auditory Electrophysiology: A Clinical Guide | Samuel R. Atcherson and Tina M. Stoody | Thieme Medical Publishers | 2012 | 18870 |
| Handbook of clinical audiology | Jack katz. | Lippincott Williams & wilkins  | 2009 | 17770 |
| Electrophysiology : Basic, Mordern Approaches and Applications | Jurgen Rettinger, Silvia Schwartz | Springer --Verlag | 2016 | 21188 |
| Nerves, Muscles and Electricity: An Introductory Manual of Electrophysiology  | George Camougis | Appleton-Century Crofts | 1970 | 1628 |
| Evoked Brain Potentials and Behaviour | Henri Begleither | Plenium Press | 1979 | 9915 |
| Hearing aids  | Harvey Dillon | Thieme  | 2001 | 13453 |
| Hearing | Stanley A Gelfand  | Marcel Dekker Inc | 1998 | 11769 |
| Human Auditory Evoked Potentials | Terrance. W Picton | Plural Publishing | 2011 | 17070 |
| Auditory Evoked Potentials: Basic Principals and Clinical Application | Burkard | Lippincott Williams and Wilkins | 2007 | *14140* |

 **c. Any  five PG dissertations  (*Name/Title of the report, Author, Guide, Year, Accession Number*)**

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| **Name/title of the report** | **Author**  | **Guide** | **Year** | **Accession no.** |
| **Acoustic Change Complex ACC: An Electrophysiological Index for Speech Perception in Children and Adults** | **Karthik. N** | **Vanaja. .C.S** | **2005** | **527** |
| **Acoustic change complex in children: 7-15 years of age**  | **Akash Junea** | **Devi. N** | **2011** | **784** |
| **Acoustic change complex in native speakers of tonal and non-tonal languages** | **Suma Chatni** | **Sandeep. Maruthy** | **2011** | **815** |
| **Acoustic Change Complex: Neural Correlate of Speech in Noise Perception** | **Spoorthi. T** | **Devi. N** | **2012** | **884** |
| **Aided Acoustic Change Complex in Individuals with Cochlear Hearing Loss** | **Jobish. T. J** | **Sreeraj. K** | **2012** | **864** |

**Any two ARF projects (*Name/Title of the report, Investigators, Year, Accession Number*)**

**ARF Project not available for Acoustic Change Complex**

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| --- | --- | --- | --- |
| **Name/title of the report**  | **Investigator**  | **Year**  | **Accession no.** |
| **Altered frequency tuning of VEMP:could it be diagnostic tool to identify endolymphatic hydrops**  | **Niraj Kumar singh ,Sujeet Kumar simha Rajeshwari G animesh burman** | **2011-2012** | **DP68** |
| **Assessment of different vestibular pathway in individual with peripherial vestibular disorders**  | **Sujeeth Kumar Sinha and Rajeshwari G** | **2013** | **DP 100** |

3.    Name the publishers of the AIISH subscribed e-journals

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No.** | **Title of the Journal** | **Name of the publisher** | **Year**  |
| 1. | Acta Oto-laryngologica | Taylor & Francis Online | 1918 |
| 2. | Advances in Autism | Emerald Publishing | 2016 |
| 3. | Aging, Neuropsychology and Cognition | Taylor & Francis Online | 1997 |
| 4. | American Annals of Deaf | Gallaudet University Press | 1980 |
| 5. | American Journal of Audiology | ASHA wire | 1991 |
| 6. | America Journal of Speech Language Pathology | ASHA wire | 1991 |
| 7. | Annals of Dyslexia | Springer Link | 1997 |
| 8. | Aphasiology | Taylor & Francis Online | 1997 |
| 9. | Applied Acoustics | Elsevier - Science Direct | 2017 |
| 10. | Applied Psycholinguistics | Cambridge Core University Press | 1999 |
| 11. | Archives of Otolaryngology Head and Neck Surgery | AMA Publications | 1998 |
| 12. | Audiology and Neuro-Otology | Karger AG Publishers | 1996 |
| 13. | Augmentative and Alternative Communication | Taylor & Francis Online | 1985 |
| 14. | Autism: The International Journal of Research and Practice | SAGE Publications | 1999 |
| 15. | Autism Research | John Wiley & Sons | 2010 |
| 16. | Bilingualism: Language and Cognition | Cambridge Core University Press | 1998 |
| 17. | Brain and Language | Elsevier - Science Direct | 1974 |
| 18. | Canadian Journal of Linguistics | Cambridge Core University Press | 2017 |
| 19. | Child Language Teaching and Therapy | SAGE Publications | 1997 |
| 20. | Cleft and Craniofacial Journal | American Cleft Palate – Craniofacial Association | 1990 |
| 21. | Clinical Linguistics and Phonetics | Taylor & Francis Online | 1987 |
| 22. | Cochlear Implants International | Taylor & Francis Online | 2000 |
| 23. | Communication Disorders Quarterly | SAGE Publications | 1998 |
| 24. | Cortex | Elsevier - Science Direct | 2007 |
| 25. | Deafness and Education | Taylor & Francis Online | 1999 |
| 26. | Dementia | SAGE Publications | 2002 |
| 27. | Dyslexia | John Wiley & Sons | 2010 |
| 28. | Dysphagia | Springer Link | 1997 |
| 29. | Ear and Hearing | Lippincott Williams & Wilkins, Ovid – Wolters Kluwer | 1980 |
| 30. | Evidence Based Communication Assessment and Intervention | Taylor & Francis Online | 2007 |
| 31. | Exceptional Children | SAGE Publications | 2001 |
| 32. | Focus on Autism and Other Developmental Disabilities | SAGE Publications | 1999 |
| 33. | Folia Phoniatrica | Karger AG Publishers | 1949 |
| 34. | Gesture | Ingenta Connect | 2011 |
| 35. | Hearing Balance and Communication (Audiological Medicine) | Taylor & Francis Online | 1997 |
| 36. | Hearing Journal | Lippincott Williams & Wilkins, Ovid – Wolters Kluwer | 1994 |
| 37. | Hearing Research | Elsevier - Science Direct | 2010 |
| 38. | International Journal of Applied Linguistics | John Wiley & Sons | 2016 |
| 39. | International Journal of Audiology | Taylor & Francis Online | 1962 |
| 40. | International Journal of Bilingual Education and Bilingualism | Taylor & Francis Online | 1998 |
| 41. | International Journal of Bilingualism | SAGE Publications | 1997 |
| 42. | International Journal of Language and Communication Disorders | John Wiley & Sons | 1997 |
| 43. | International Journal of Pediatric Otorhinolaryngology | Elsevier - Science Direct | 2007 |
| 44. | International Journal of Speech Language and the Law (formerly Forensic Linguistics) | Equinox Publishing Limited | 1998 |
| 45. | International Journal of Speech Language Pathology | Taylor & Francis Online | 1997 |
| 46. | International Journal of Speech Technology | Springer Link | 1989 |
| 47. | Journal of Applied Research in Intellectual Disabilities | John Wiley & Sons | 2010 |
| 48. | Journal of Autism and Developmental Disorders | Springer Link | 1997 |
| 49. | Journal of Child Language | Cambridge Core University Press | 1997 |
| 50. | Journal of Child Psychology and Psychiatry | John Wiley & Sons | 2010 |
| 51. | Journal of Cleft Lip Palate and Craniofacial Anomalies | Wolters Kluwer - Medknow | 2016 |
| 52. | Journal of Cognition and Development | Taylor & Francis Online | 2000 |
| 53. | Journal of Cognitive Neuroscience | Massachusetts Institute of Technology Press | 1989 |
| 54. | Journal of Communication Disorders | Elsevier - Science Direct | 1967 |
| 55. | Journal of Early Intervention | SAGE Publications | 1999 |
| 56. | Journal of Fluency Disorders | Elsevier - Science Direct | 1974 |
| 57. | Journal of Indian Academy of Applied Psychology | Indian Academy of Applied Psychology | 2015 |
| 58. | Journal of Indian Speech and Hearing Association | Wolters Kluwer - Medknow | 2016 |
| 59. | Journal of Intellectual and Developmental Disability | Taylor & Francis Online | 1976 |
| 60. | Journal of Interactional Research in Communication Disorders | Equinox Publishing Limited | 2010 |
| 61. | Journal of Laryngology and Otology | Cambridge Core University Press | 1887 |
| 62. | Journal of Laryngology and Voice | Wolters Kluwer - Medknow | 2017 |
| 63. | Journal of Learning Disabilities | SAGE Publications | 1999 |
| 64. | Journal of Memory and Language | Elsevier - Science Direct | 2007 |
| 65. | Journal of Neurolinguistics | Elsevier - Science Direct | 1985 |
| 66. | Journal of Phonetics | Elsevier - Science Direct | 1995 |
| 67. | Journal of Pragmatics | Elsevier - Science Direct | 2007 |
| 68. | Journal of Psycholinguistic Research | Springer Link | 1997 |
| 69. | Journal of Special Education | SAGE Publications | 1999 |
| 70. | Journal of Speech Language and Hearing | ASHA wire | 1958 |
| 71. | Journal of the Acoustical Society of America | AIP Publishing LLC | 1930 |
| 72. | Journal of the American Academy of Audiology | Ingenta Connect | 2002 |
| 73. | Journal of the International Phonetic Association | Cambridge Core University Press | 2001 |
| 74. | Journal of Vestibular Research | Meta Press | 2000 |
| 75. | Journal of Voice | Elsevier - Science Direct | 1987 |
| 76. | Laboratory Phonology | De Gruyter Mouton | 2010 |
| 77. | Language Acquisition | Taylor & Francis Online | 2014 |
| 78. | Language and Cognition and Neuroscience (formerly Language and Cognitive Processes) | Taylor & Francis Online | 1997 |
| 79. | Language and Communication | Elsevier - Science Direct | 2007 |
| 80. | Language and Speech | SAGE Publications | 1999 |
| 81. | Language Learning | John Wiley & Sons | 2006 |
| 82. | Language Sciences | Elsevier - Science Direct | 2007 |
| 83. | Language Speech and Hearing Services in Schools | ASHA wire | 1970 |
| 84. | Laryngoscope | ASHA wire | 1997 |
| 85. | Learning Disability in Quarterly | SAGE Publications | 2010 |
| 86. | Learning Disabilities Research & Practice | John Wiley & Sons | 2000 |
| 87. | Logopedics Phoniatrics Vocology | Taylor & Francis Online | 1991 |
| 88. | Noise & Health | Wolters Kluwer - Medknow | 2015 |
| 89. | Otolaryngologic Clinics of North America | Elsevier - Science Direct | 1998 |
| 90. | Otology and Neurotology | Lippincott Williams & Wilkins, Ovid – Wolters Kluwer | 2001 |
| 91. | Perspectives of the ASHA Special Interest Groups | ASHA wire | 2016 |
| 92. | Phonology | Cambridge Core University Press | 1997 |
| 93. | Reading and Writing | Springer Link | 1997 |
| 94. | Research in Autism Spectrum Disorders | Elsevier - Science Direct | 2007 |
| 95. | Seminars in Hearing | Georg Thieme Verlag KG | 1980 |
| 96. | Seminars in Speech and Language | Georg Thieme Verlag KG | 1984 |
| 97. | Sign Language and Linguistics | Ingenta Connect | 2016 |
| 98. | Speech Communication | Elsevier - Science Direct | 1982 |
| 99. | Speech, Language and Hearing | Taylor & Francis Online | 1996 |
| 100. | The Analysis of Verbal Behavior | Springer Link | 2014 |
| 101. | Topics in Language Disorders | Lippincott Williams & Wilkins, Ovid – Wolters Kluwer | 2001 |
| 102. | Trends in Cognitive Sciences | Elsevier - Science Direct | 2016 |

**Status of Disability in India -2012**

Status of Disability in India is a publication by Rehabilitation Council of India (RCI) which attempts to collate information on Disability and put it in public domain so that persons with Disability and their stakeholders are able to ascertain the current situation on Disability in India.This is published in every 5 years. This 2012 edition 3 introductory chapters(covering the historical,philosophical and sociological perspective,introduction to various disabilities, policies and legislation,the magnitude of disability in india,agencies and institution and issues that concern person with disability,current trends and development including research in the area of disabilities,how technology impacts person with disabilities and how we need to take advantage of technology to make life better foer person with disability in the country) and a concluding chapter(summarises as to what the governmental and non governmental agencies , persons with disabilitiesand their stakeholders need to do to take disability issues forward and to facilitate the implementation of Government schemes and policies).

**The MIT Encyclopedia of Communication Disorders**

The MIT Encyclopedia of Communication Disorders is the standard reference in this field for both research and clinical use. It offers almost 200 detailed entries, covering the entire range of communication and speech disorders in children and adults, from basic science to clinical diagnosis.MITECD is divided into four sections that reflect the standard categories within the field (also known as speech-language pathology and audiology): Voice, Speech, Language, and Hearing. Within each category, entries are organized into three subsections: Basic Science, Disorders, and Clinical Management. Basic Science includes relevant information on normal anatomy and physiology, physics, psychology and psychophysics, and linguistics; this provides a scientific foundation for entries in the other subsections. The entries that appear under Disorders offer information on the definition and characterization of specific disorders, and tools for their identification and assessment. The Clinical Management subsection describes appropriate interventions, including behavioral, pharmacological, surgical, and prosthetic. Because the approach to communication disorders can be quite different for children and adults, many topics include separate entries reflecting this. Although some disorders that are first diagnosed in childhood may persist in some form throughout adulthood, many disorders can have an onset in either childhood or adulthood, and the timing of onset can have many implications for both assessment and intervention.Topics covered in MITECD include cochlear implants for children and adults, pitch perception, tinnitus, alaryngeal voice and speech rehabilitation, neural mechanisms of vocalization, holistic voice therapy techniques, computer-based approaches to childrens speech and language disorders, neurogenic mutism, regional dialect, agrammatism, global aphasia, and psychosocial problems associated with communicative disorders.