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Geographical Distribution Of The Washington DC Regional Chapter Of The Acoustical Society Of America

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Objectives



- ◆ **To Adapt Future DC Regional Meetings To Focus On Topics In Dominant Fields Of Interest To Local Members**
- ◆ **To Select Convenient Meeting Locations In An Effort To Maximize Member Attendance**
- ◆ **To Develop The Core Algorithm Required To Process Survey Data**



Approach



- ◆ Requested List Of All ASA Members In Washington, Maryland & Virginia From ASA Headquarters
- ◆ ASA Membership List Contains Member Fields Of Interest & Full Mailing Address
- ◆ Downloaded Database Of Center Coordinates Of All USA Zip Codes
- ◆ Generated Matlab Script To Read DC Regional Member List And Extract Primary Field And Zip Code
- ◆ Generated Primary Field Distribution Histogram
- ◆ Generated Geographical Distribution Of Total Regional Members And By Primary Field Of Interest



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Letter Designation Of Acoustical Fields Of Interest

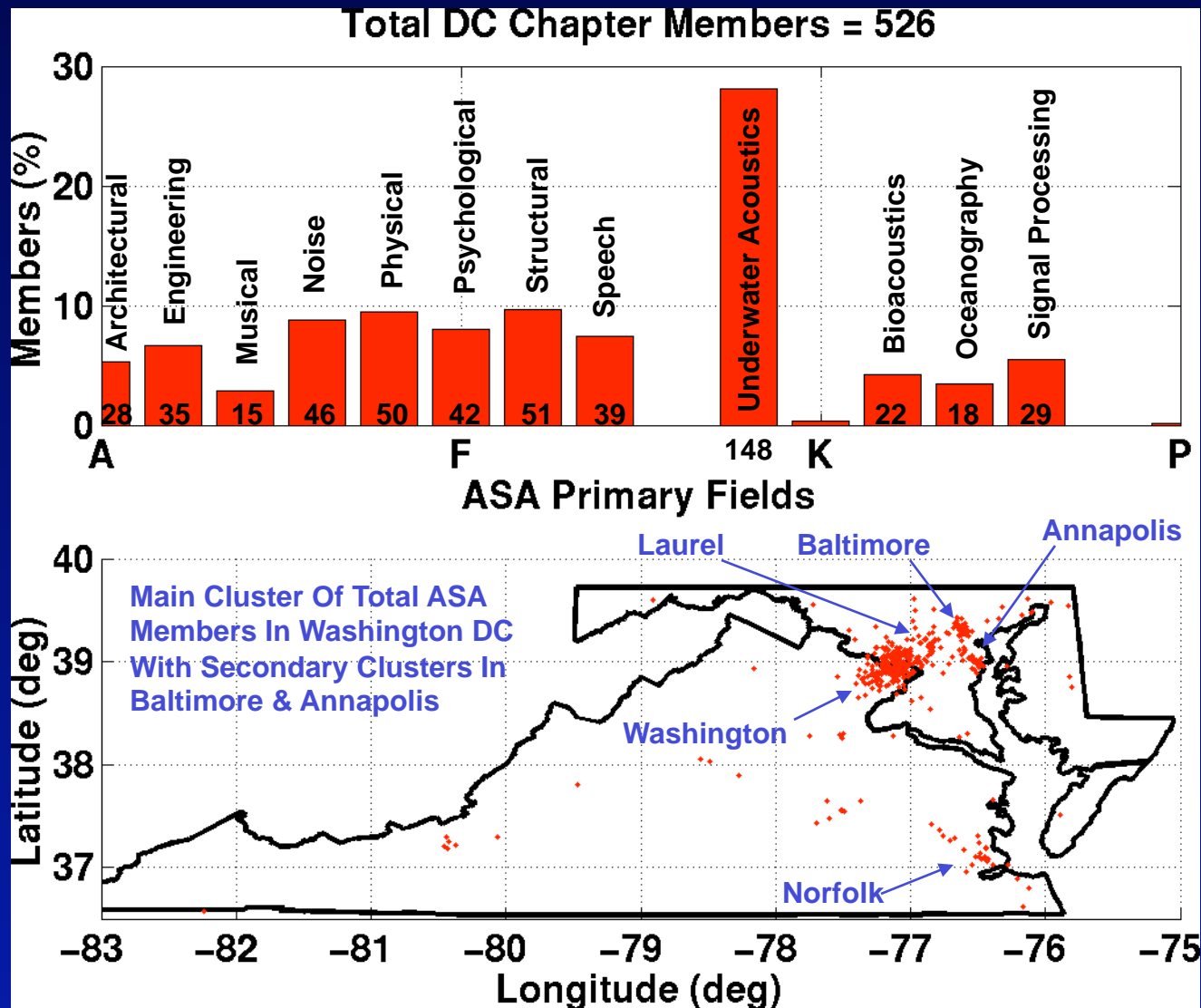


- ◆ **A - Architectural Acoustics**
- ◆ **B - Engineering Acoustics**
- ◆ **C - Musical Acoustics**
- ◆ **D - Noise**
- ◆ **E - Physical Acoustics**
- ◆ **F - Psychological & Physiological Acoustics**
- ◆ **G - Structural Acoustics & Vibration**
- ◆ **H - Speech Communication**
- ◆ **J - Underwater Acoustics**
- ◆ **K - Bioresponse To Vibration/Biomedical Ultrasound**
- ◆ **L - Animal Bioacoustics**
- ◆ **M - Acoustical Oceanography**
- ◆ **N - Signal Processing In Acoustics**



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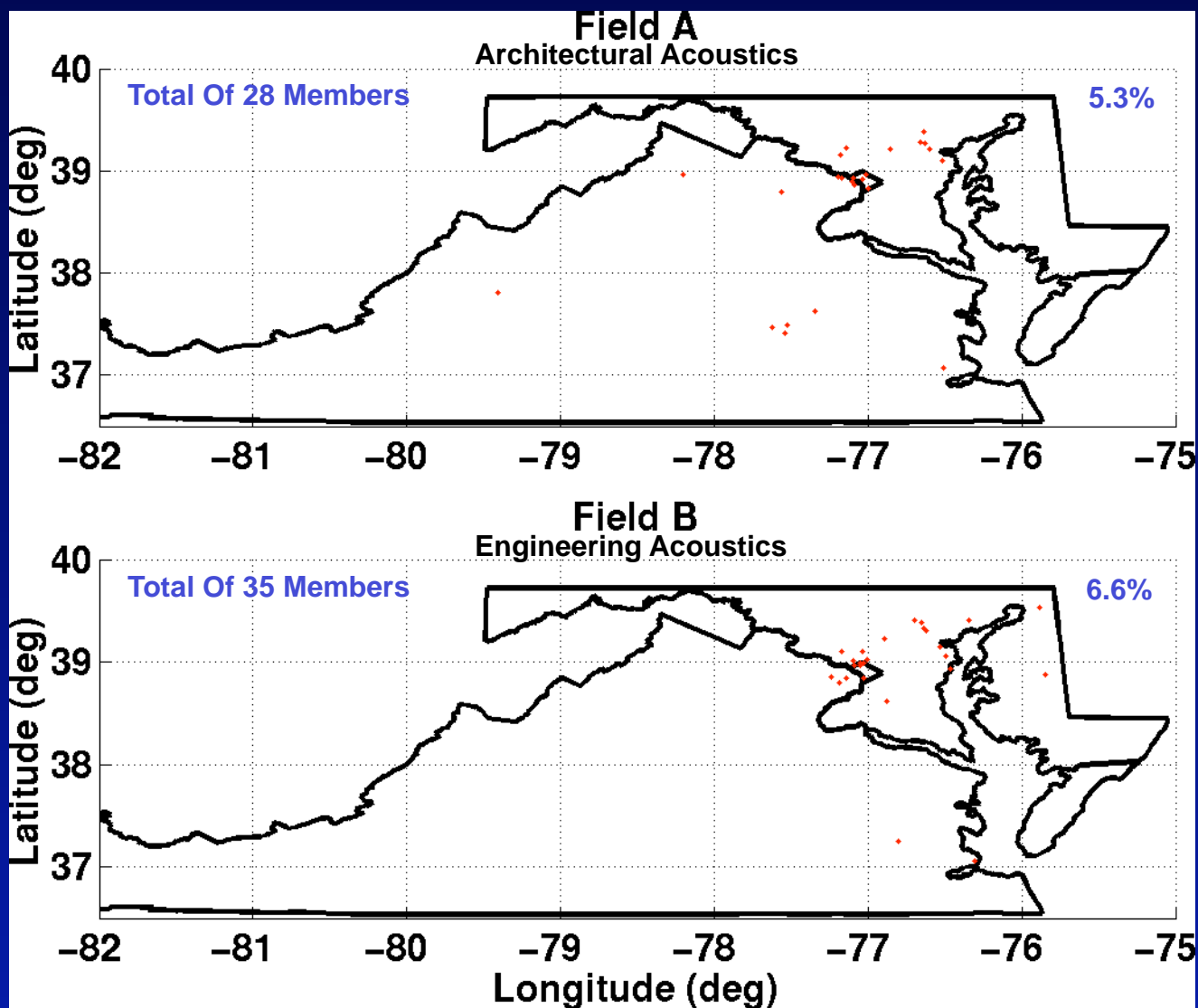
Primary Field Distributions Of DC Regional ASA Members





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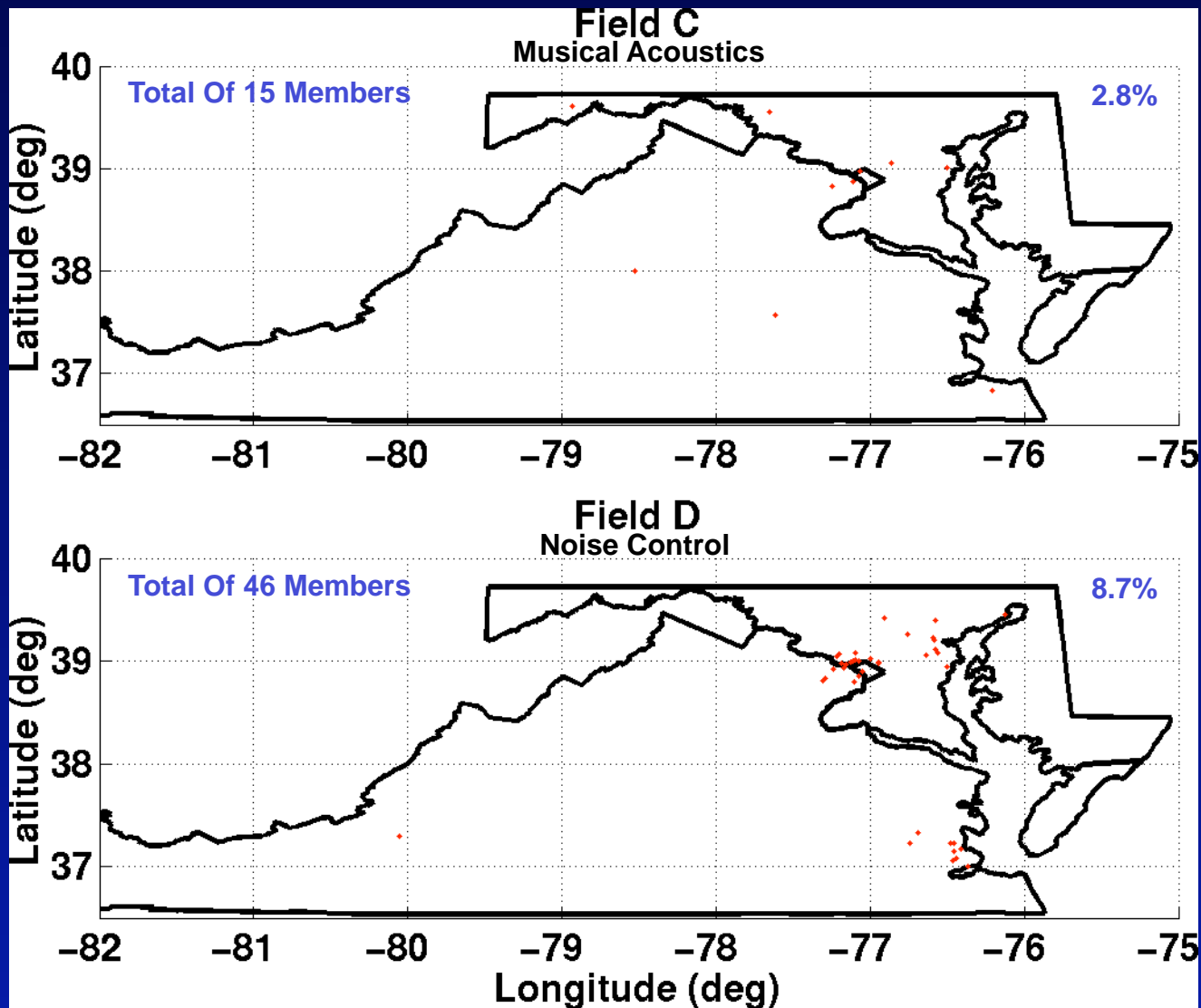
Distribution Of Architectural & Engineering Acoustics





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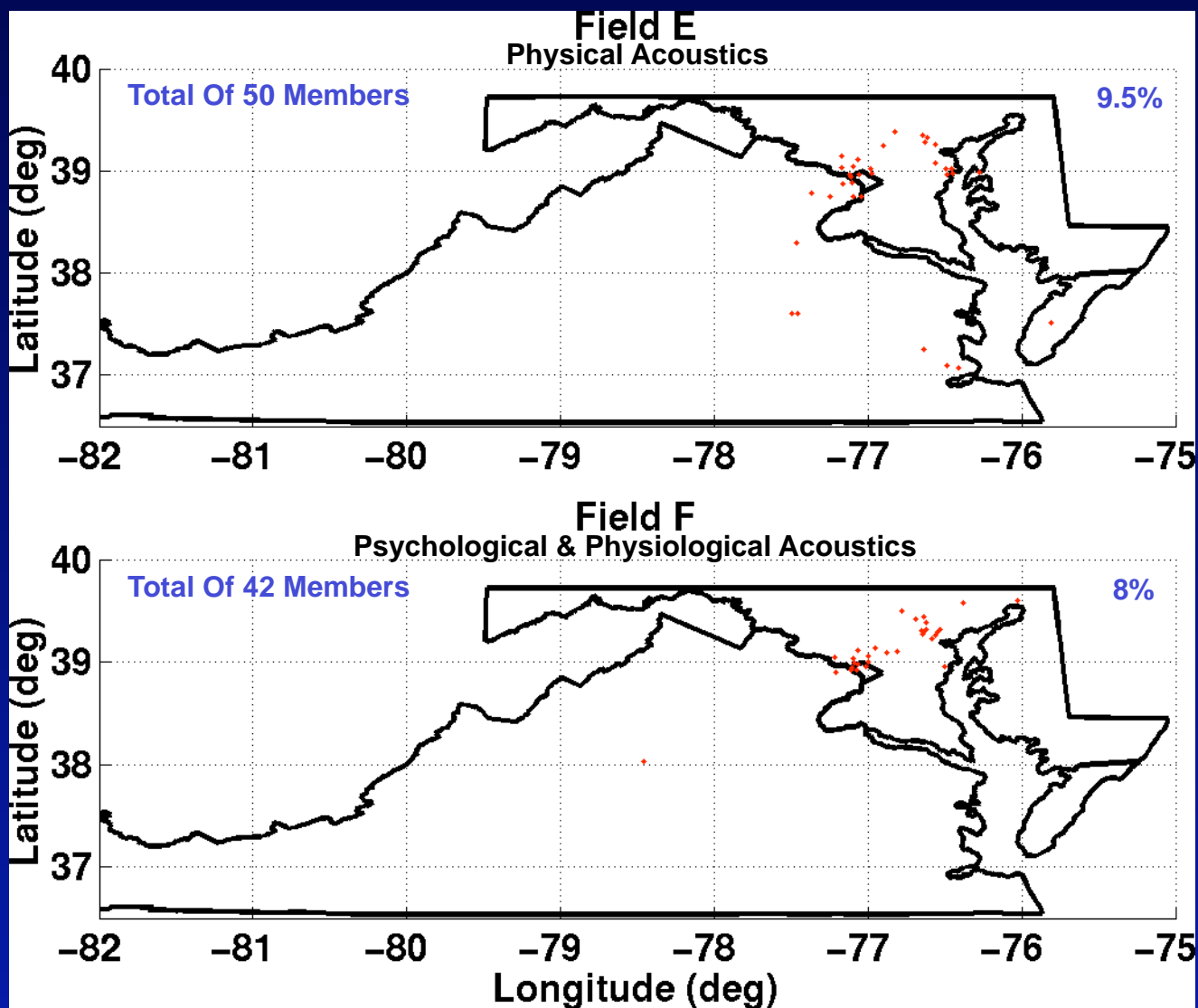
Distribution Of Noise Control & Musical Acoustics





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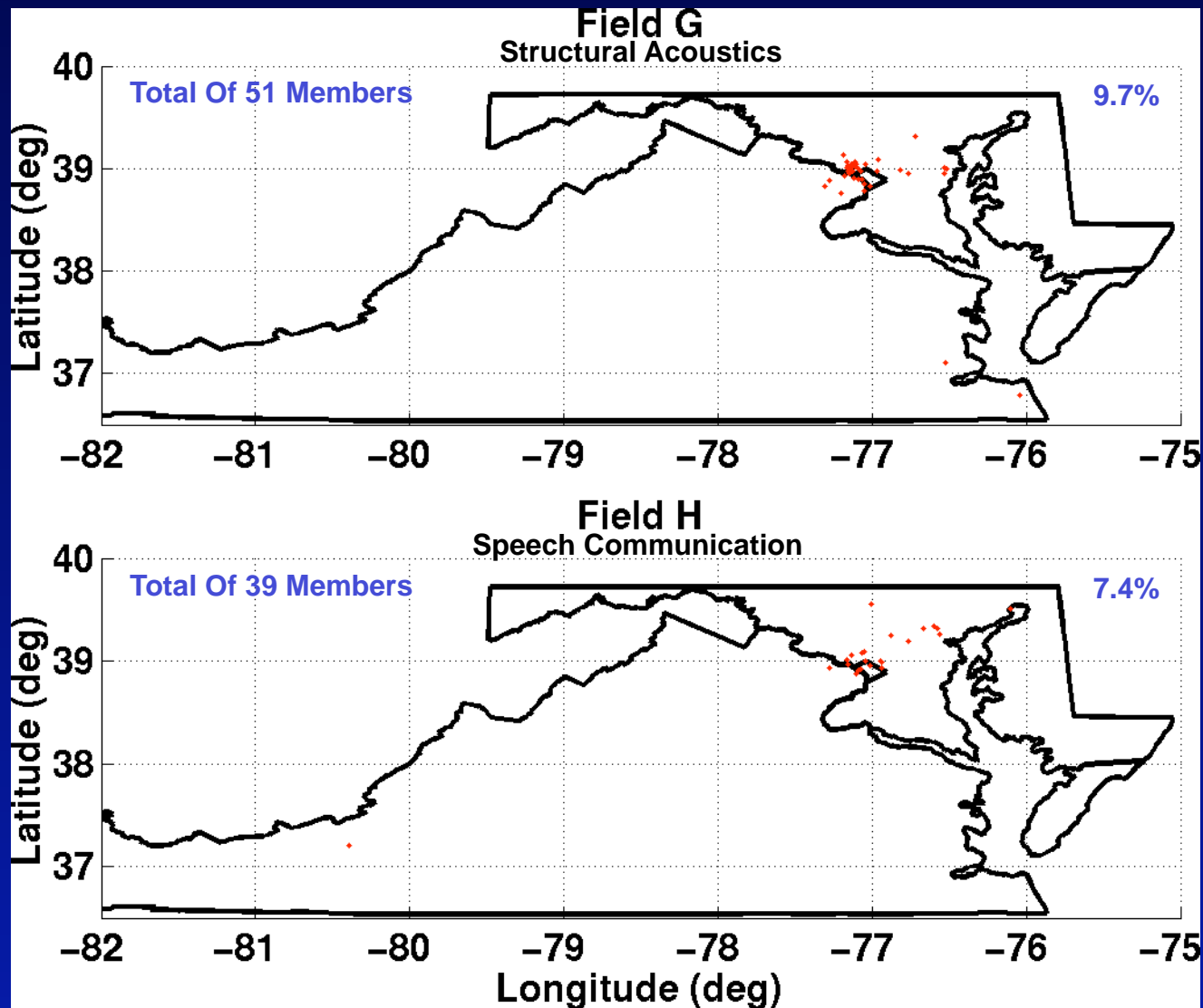
Distribution Of Physical & Psychological Acoustics





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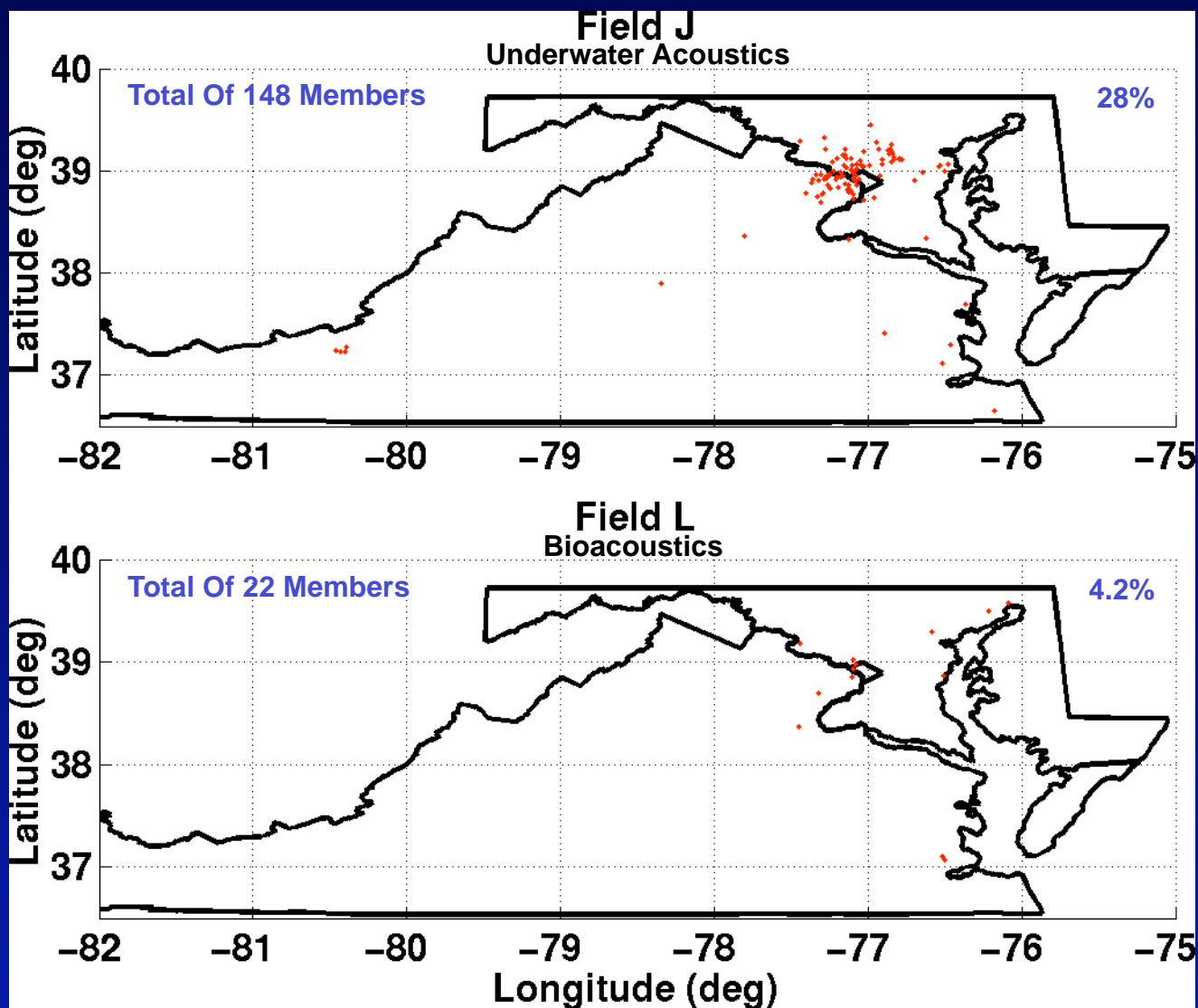
Distribution Of Structural Acoustics & Speech Comm.





Distribution Of Underwater Acoustics & Bioacoustics

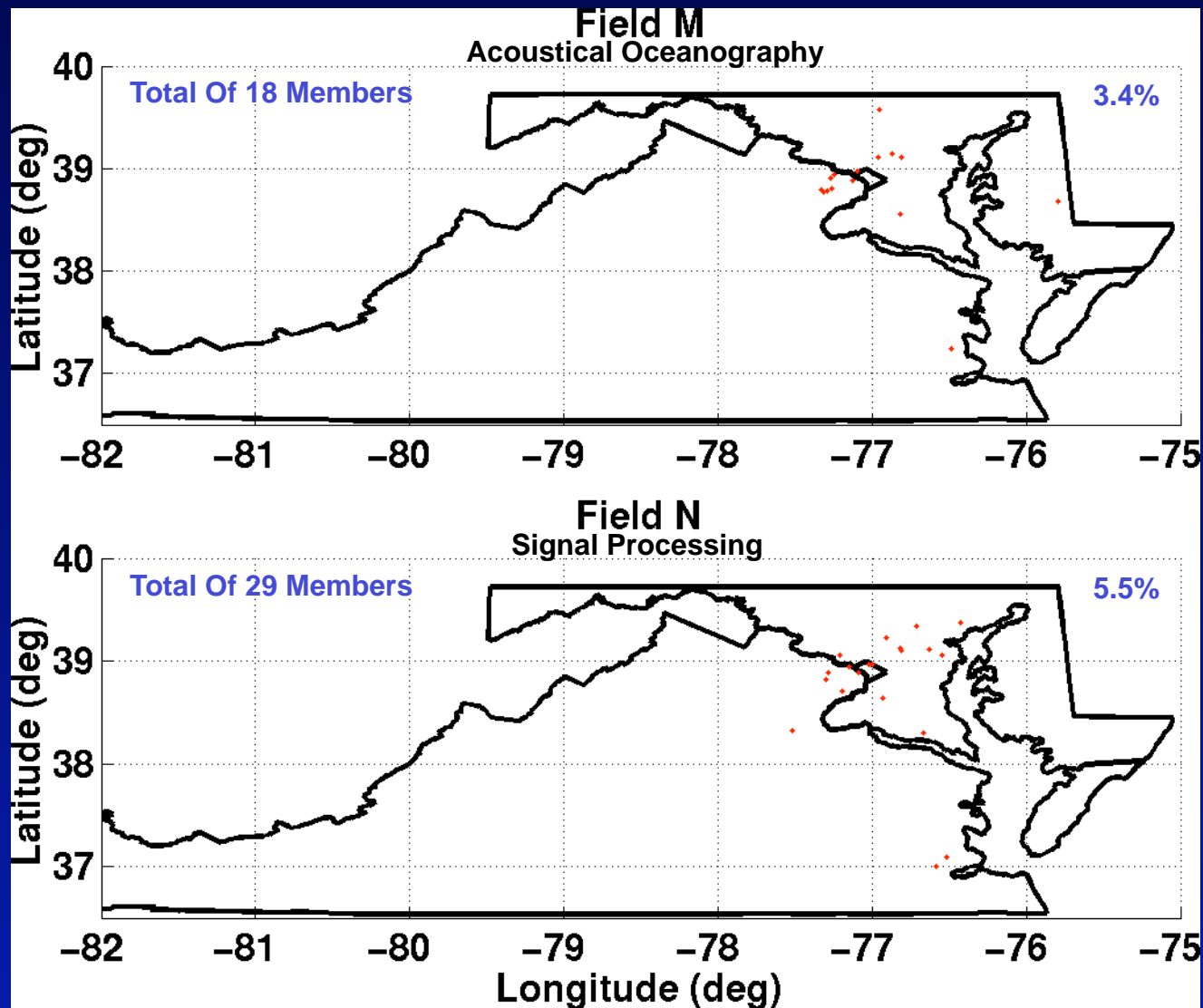
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Distribution Of Acoustical Oceanography & Signal Proc.





Pie Chart Of Primary Fields Of DC Regional Chapter Members

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Total DC Regional ASA Membership = 526

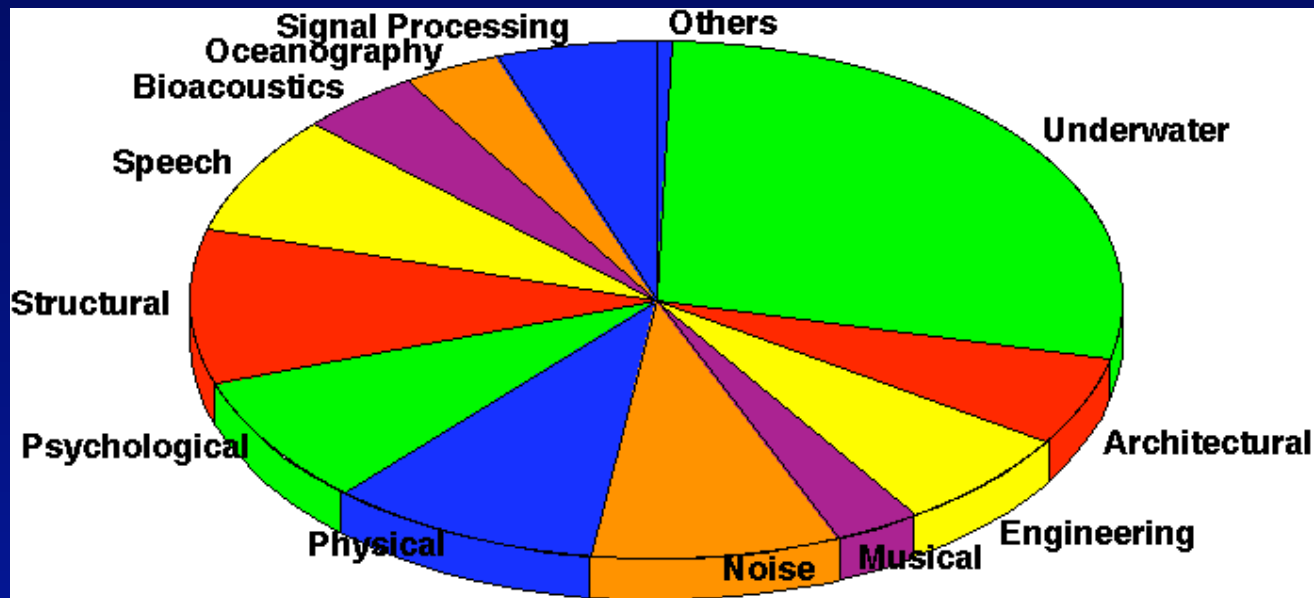


Chart Demonstrates A Rich Diversity Of Interests By The Entire DC Regional Chapter ASA Membership With Underwater Acoustics As The Dominant Field



Summary



- ◆ **Underwater Acoustics Is The Dominant Field Of Primary Interest To The ASA Members In The DC Chapter**
- ◆ **The Main Geographical Cluster Of Mailing Zip Codes Is In The Washington DC Area With Secondary Clusters In Baltimore & Annapolis**
- ◆ **Silver Spring Or Bethesda Appear To Be Convenient Locations Of Meetings For The Primary Cluster Of Total DC Regional ASA Members (Traffic Must Be Factored Into The Assessment Of Suitable Location)**
- ◆ **Colesville Or Laurel Appear To Be Convenient Locations If Need To Accommodate Secondary Clusters In Baltimore & Annapolis In Addition To Washington DC**
- ◆ **DC Member Survey Returns Expected To Provide More Data For Additional Analysis With Enhanced Algorithm**



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Please Fill-out Survey



- ◆ **Need To Know More About Your Needs To Adapt Chapter Meetings**
- ◆ **Please Fill-Out Web-Form At:**
<http://www.geocities.com/ASACchapterDC>
- ◆ **Name Is A Required Field To Ensure One Submission Per Member**
- ◆ **If Member Submits More Than One Survey, Latest Survey Will Be Counted**
- ◆ **Deadline For Submission Is COB Friday The 28th Of February 2003**
- ◆ **Questions & Comments Can Be Directed To The DC Regional Chapter: ASACchapterDC@yahoo.com**