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### Figure 1

#### *Details*

Reprinted from Rasmussen, P., Flamme, G., Stewart, M., Meinke, D., & Lankford, J. (2009). Measuring Recreational firearm noise. *Sound & Vibration*, 43(8), 14-18. (Figure 5, p. 15).

I obtained permission to reprint the figure from Sound & Vibration.

#### *Documentation*

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Kristen,  
Sorry for the delay in answering your request. Of course you have permission to reprint material from the Rasmussen article for your dissertation. Good luck on your presentation.  
Jack

Jack Mowry, Editor and Publisher  
S&V, Sound & Vibration  
27101 E Oviatt Rd, PO Box 40416  
Bay Village, OH 44140  
440.835.0101; FAX 440.835.9303  
sv@mindspring.com; www.SandV.com

---

On Thu, Jul 21, 2011 at 1:20 PM, Kristen Talcott <kristen.talcott@gmail.com> wrote:  
Sound and Vibration:

I am completing a doctoral dissertation at Virginia Tech University entitled "An in-field experiment on the effects of hearing protection/enhancement devices and military vehicle noise on auditory localization of a gunshot in azimuth" I would like your permission to reprint in my dissertation excerpts from the following:  
Rasmussen, P., Flamme, G., Stewart, M., Meinke, D., & Lankford, J. (2009). Measuring Recreational firearm noise. *Sound and Vibration*, 43(8), 14-18.

The excerpts to be reproduced are: Figure 5.

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If these arrangements meet with your approval, please reply to this e-mail that you grant permission. You can reach me at kristen.talcott@gmail.com or 240-483-3644.

Thank you very much.

Sincerely,  
Kristen Talcott

## Figure 2

### *Details*

Reprinted from Institute of Medicine. (2005). *Noise and Military Service: Implications for hearing loss and tinnitus*. Washington, DC: National Academies Press. (Figure 2-1, p. 34). The Institute of Medicine modified the figure from Brödel, M. (1946). Three unpublished drawings of the anatomy of the human ear. Philadelphia, PA: W.B. Saunders Co. (Figure 1).

I attempted to obtain permission from Elsevier (which owns W.B. Saunders) for the original figure, however, they could not locate proof that they owned the copyright. I could not contact the author, Max Brödel, because he died in 1941. I spoke with Virginia Tech ETD department and they determined that based on the year of publication, 1946, the figure was in the public domain. I obtained permission to reprint the figure from the National Academies Press based on the figure being in the public domain.

### *Documentation*

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Kind regards,

Sam Mahfoudh

---

Sam Mahfoudh :: Rights Associate:: Elsevier

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---

From: kristen.talcott@gmail.com [mailto:kristen.talcott@gmail.com]

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Virginia Tech

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To use the following material:

ISSN/ISBN:

Title: Three Unpublished Drawings...

Author(s): Brodel, Max

Volume: n/a

Issue: n/a

Year: 1946

Pages: 1 - 1

Article title: Three Unpublished Drawings...

How much of the requested material is to be used: Figure 1

Are you the author: No

Author at institute: No

How/where will the requested material be used: [how\_used]

Details: I am completing a doctoral dissertation at Virginia Tech University entitled "An in-field experiment on the effects of hearing protection/enhancement devices and military vehicle noise on auditory localization of a gunshot in azimuth." I would like permission to reproduce Figure 1 in the dissertation.

Additional Info: The full title of the book is Three Unpublished Drawings of the Anatomy of the Human Ear. It was published by W. B. Saunders Co.

You can reach me at [kristen.talcott@gmail.com](mailto:kristen.talcott@gmail.com) or 240-483-3644.

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**National Academies Press**

from Murphy, Barbara  
to Kristen Talcott <[kristen.talcott@gmail.com](mailto:kristen.talcott@gmail.com)>  
cc permissions <[permissions@nas.edu](mailto:permissions@nas.edu)>  
date Thu, Aug 11, 2011 at 3:05 PM  
subject RE: Request for permission to reproduce figure for dissertation

...

No problem. Since the original figure is in the public domain, it's fine to use our adapted figure, no permissions are necessary.

---

From: Kristen Talcott [<mailto:kristen.talcott@gmail.com>]... Sent: Thursday, August 11, 2011 2:58 PM

To: Murphy, Barbara

Subject: Re: Request for permission to reproduce figure for dissertation

Hi Barb,

I got permission from Elsevier to use the original figure and also determined that the drawing is in the public domain.

I would like to include IOM's version of the figure as-is with no additional modifications. Therefore, I would like to request your permission to use figure 2-1 as it appears in:

IOM. (2005). Noise and Military Service: Implications for hearing loss and tinnitus. Washington, DC: National Academies Press.

with credit to both IOM and

Brodel M. 1946. Three Unpublished Drawings of the Anatomy of the Human Ear. Assisted by Malone PD, Guild SR, Crowe SJ. Philadelphia, PA: W. B. Saunders Co.

in my dissertation.

In response to your earlier question, I asked the graduate school and UMI publishes dissertation abstracts, but not as a for sale item. The dissertations are published online, and are accessible for free.

Thanks,  
Kristen

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On Mon, Aug 8, 2011 at 9:04 AM, Murphy, Barbara ... wrote:

You need both if you plan to use our modifications. If you want to add some of your own, then I would just request every change from the owner of the material only.

---

From: Kristen Talcott [kristen.talcott@gmail.com]

Sent: Friday, August 05, 2011 3:18 PM

To: Murphy, Barbara

Subject: Re: Request for permission to reproduce figure for dissertation

Thanks for looking into it. I think the IOM authors added the sound waves and the labels at the bottom of the drawing to the original drawing.

Would I need permission from both NAP and the original author to use the version from the report or just the original author?

Thanks,  
Kristen

---

On Fri, Aug 5, 2011 at 3:10 PM, Murphy, Barbara ... wrote:

Hi Kristen,

I researched the figure, and we do not own it. We modified it from another source. Our credit reads as follows:

Brodel M. 1946. Three Unpublished Drawings of the Anatomy of the Human Ear. Assisted by Malone PD, Guild SR, Crowe SJ. Philadelphia, PA: W. B. Saunders Co.

You would need to contact the owner for permission.

Barb

---

From: Kristen Talcott [mailto:kristen.talcott@gmail.com]

Sent: Friday, August 05, 2011 2:52 PM

To: Murphy, Barbara

Subject: Request for permission to reproduce figure for dissertation

Ms. Murphy,

This is a follow-up to my phone call.

I am completing a doctoral dissertation at Virginia Tech University entitled "An in-field experiment on the effects of hearing protection/enhancement devices and military vehicle noise on auditory localization of a gunshot in azimuth" I would like your permission to reprint in my dissertation excerpts from the following:

IOM. (2005). Noise and Military Service: Implications for hearing loss and tinnitus. Washington, DC: National Academies Press.

The excerpts to be reproduced are: Figure 2-1 (p. 34).

The requested permission extends to any future revisions and editions of my dissertation, including non-exclusive world rights in all languages, and to the prospective publication of my dissertation by UMI Company. These rights will in no way restrict republication of the material in any other form by you or by others authorized by you. Your granting permission will also confirm that your company owns the copyright to the above-described material.

If these arrangements meet with your approval, please reply to this e-mail that you grant permission. You can reach me at kristen.talcott@gmail.com or 240-483-3644.

Thank you very much.

Sincerely,  
Kristen Talcott

## Figure 6

### *Details*

Reprinted from Shaw, E. A. G. (1974). Transformation of sound pressure level from the free field to the eardrum in the horizontal plane. *The Journal of the Acoustical Society of America*, 56(6), 1848-1861.

I obtained permission to reprint the figure from the Acoustical Society of America permission. I could not locate the current contact information for the author, E. A. G. Shaw, therefore I did not contact the author.

### *Documentation*

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Dear Dr. Talcott:

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Permission is granted - subject to the conditions outlined below - for the following:

Figure 11

Shaw, E. A. G. (1974).

Transformation of sound pressure level from the free field to the eardrum in the horizontal plane.

*The Journal of the Acoustical Society of America*, 56(6), 1848-1861.

To be used in the following manner:

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Susann Brailey

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Email: [rights@aip.org](mailto:rights@aip.org)

---

From: Kristen Talcott [<mailto:kristen.talcott@gmail.com>]  
Sent: Thursday, July 21, 2011 1:36 PM  
To: ASA  
Subject: Request for permission to reproduce figure in a dissertation

Acoustical Society of America:

I am completing a doctoral dissertation at Virginia Tech University entitled "An in-field experiment on the effects of hearing protection/enhancement devices and military vehicle noise on auditory localization of a gunshot in azimuth" I would like your permission to reprint in my dissertation excerpts from the following:

Shaw, E. A. G. (1974). Transformation of sound pressure level from the free field to the eardrum in the horizontal plane. *The Journal of the Acoustical Society of America*, 56(6), 1848-1861.

The excerpts to be reproduced are: Figure 11.

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If these arrangements meet with your approval, please reply to this e-mail that you grant permission. You can reach me at [kristen.talcott@gmail.com](mailto:kristen.talcott@gmail.com) or 240-483-3644.

Thank you very much.

Sincerely,  
Kristen Talcott

## Figures 10, 11, 12, and 73

### *Details*

Figure 10: Reproduced from Etymotic Research Inc. (2010). EB 1 high-fidelity Electronic BlastPLG earplugs user manual. Elk Grove Village, IL: Etymotic Research.

Figure 11: Reproduced from Etymotic Research Inc. (2010). EB 15 high-fidelity Electronic BlastPLG earplugs user manual. Elk Grove Village, IL: Etymotic Research.

Figure 12: Modified from Etymotic Research Inc. (2010). EB 1 high-fidelity Electronic BlastPLG earplugs user manual. Elk Grove Village, IL: Etymotic Research and Etymotic Research Inc. (2010). EB 15 high-fidelity Electronic BlastPLG earplugs user manual. Elk Grove Village, IL: Etymotic Research.

Figure 73: Reproduced from Etymotic Research Inc. (2004). Etymotic Research QuickSIN Standard Version. Elk Grove, IL: Etymotic Research.

I obtained permission to reprint/modify the figures from Etymotic Research Inc.

### *Documentation*

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Kristen:

You have permission to use the graphs and images proposed in your email. We are keenly interested in your dissertation and request that you let us know when it is published.

Best regards,  
Gail Gudmundsen, AuD  
Managing Director, Audiology Division  
Etymotic Research, Inc.  
61 Martin Lane  
Elk Grove Village, IL 60007

...

---

In a message dated 8/19/2011 2:00:14 P.M. Central Daylight Time, kristen.talcott@gmail.com writes:

Dr. Gudmundsen,

I am completing a doctoral dissertation at Virginia Tech University entitled "An in-field experiment on the effects of hearing protection/enhancement devices and military vehicle noise on auditory localization of a gunshot in azimuth." I saw that you were the contact for my classmate, Khaled Alali, when he was requesting permissions from Etymotic earlier this year.

I would like permission to reprint in my dissertation excerpts from the following:

1. Etymotic Research Inc. (2010). EB 1 high-fidelity Electronic BlastPLG earplugs user manual. Elk Grove Village, IL: Etymotic Research.

The excerpts to be reproduced are: (1) Insertion gain diagram for the EB1 Switch: LO (p. 14), (2) Input/output diagram for the EB1 Switch: LO (p. 14, modified as shown in attached figure 1)

2. Etymotic Research Inc. (2010). EB 15 high-fidelity Electronic BlastPLG earplugs user manual. Elk Grove Village, IL: Etymotic Research.

The excerpts to be reproduced are: (1) Insertion gain diagram for the EB15 Switch: LO (p. 14), (2) Input/output diagram for the EB15 Switch: LO (p. 14, modified as shown in attached figure 1)

3. Etymotic Research Inc. (2004). Etymotic Research QuickSIN Standard Version. Elk Grove, IL: Etymotic Research.

The excerpts to be reproduced are: The Track 9, List 7 word list (p.1, attached figure 2)

4. Source unknown (Image from a presentation from my advisor Dr. John Casali, which appears to be from Etymotic)

The excerpts to be reproduced are: Image of EB15 and eartips (modified as shown in attached figure 3)

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If these arrangements meet with your approval, please reply to this e-mail that you grant permission. You can reach me at [kristen.talcott@gmail.com](mailto:kristen.talcott@gmail.com) or 240-483-3644.

Thanks you very much,

Sincerely,  
Kristen Talcott

### **Figures 16, 18, 21, 22, 56, and 57**

#### *Details*

Figures 16, 18, 21, and 22: Reproduced from Casali, J. G., & Keady, J. P. (2010). In-Field Localization of Gunshots in Azimuth under Two Prototype Etymotic and Two Production AEARO-Peltor Hearing Protection/Enhancement Devices Intended for Military Ground Soldier Applications. Blacksburg, VA: Virginia Tech and Innovation R&D Labs LLC.

Figures 56 and 57: Modified from Casali, J. G., & Keady, J. P. (2010). In-Field Localization of Gunshots in Azimuth under Two Prototype Etymotic and Two Production AEARO-Peltor Hearing Protection/Enhancement Devices Intended for Military Ground Soldier Applications. Blacksburg, VA: Virginia Tech and Innovation R&D Labs LLC.

I obtained permission to reprint/modify the figures from the authors, Dr. John Casali and Dr. John Keady.

#### *Documentation*

---

from John Casali  
to Kristen Talcott <[kristen.talcott@gmail.com](mailto:kristen.talcott@gmail.com)>, John Keady  
date Tue, Sep 13, 2011 at 3:10 PM  
subject Re: Permission to reproduce figures

...

Kristen, this will confirm that all requested permissions below are granted as requested.

John Casali

---

from John Keady  
to kristen.talcott@gmail.com  
date Tue, Sep 13, 2011 at 5:02 PM  
subject RE: Permission to reproduce figures

concur

---

At 3:04 PM -0400 9/13/11, Kristen Talcott wrote:

Dr. Casali and Dr. Keady,

I would like to request permission to reprint figures from the Etymotic report in my dissertation entitled "An in-field experiment on the effects of hearing protection/enhancement devices and military vehicle noise on auditory localization of a gunshot in azimuth."

Specifically, I would like permission to reprint in my dissertation excerpts from the following:

Casali, J. G., & Keady, J. P. (2010). In-Field Localization of Gunshots in Azimuth under Two Prototype Etymotic and Two Production AEARO-Peltor Hearing Protection/Enhancement Devices Intended for Military Ground Soldier Applications. Blacksburg, VA: Virginia Tech and Innovation R&D Labs LLC.

The excerpts to be reproduced are:

Figure 6 (EB 15-Lo MIC IN and MIC OUT) modified as shown in attached image 1

Figure 7 (EB 15-Lo TUBE) modified as shown in attached image 2

Figures 8, 11, 13 (photos of the experiment site)

The requested permission extends to any future revisions and editions of my dissertation, including non-exclusive world rights in all languages, and to the prospective publication of my dissertation by UMI Company. These rights will in no way restrict republication of the material in any other form by you or by others authorized by you. Your granting permission will also confirm that your company owns the copyrights to the above-described material.

If these arrangements meet with your approval, please reply to this e-mail that you grant permission. You can reach me at kristen.talcott@gmail.com or 240-483-3644.

Thank you very much,  
Kristen

## **Figures 79 and 85**

### *Details*

Reproduced from AKG Acoustics. (1986). AKG Acoustics C414 B-U LS, C414 B-TL [User manual]. Vienna, Austria: AKG Acoustics.

I contacted AKG corporate headquarters to obtain permission, but they did not return my call. I used the VT fair use analyzer to determine fair use.

**Draft 09/01/2009**

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: [gailmac@vt.edu](mailto:gailmac@vt.edu))

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*This is not a replacement for professional legal advice but an effort to assist you in making a sound decision.*

Name: Kristen Talcott

Description of item under review for fair use: AKG Acoustics. (1986). AKG Acoustics C414 B-U LS, C414 B-TL [User manual]. Vienna, Austria: AKG Acoustics.

Report generated on: 09-13-2011 at : 21:12:13

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Draft 08/31/2009

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Kristen Talcott

Provide a citation for the item you are considering for fair use: (e.g., Figure 1.1. ABC Festival. Source: XYZ: PQ Publishers, May 2000, p.20)

AKG Acoustics. (1986). AKG Acoustics C414 B-U LS, C414 B-TL [User manual]. Vienna, Austria: AKG Acoustics.

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 Don't know

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 No  
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Analyze Fair Use

