





# McNair Scholars Program

*J, j, a, R, a, c, R, j, j*  
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WICHITA STATE  
UNIVERSITY

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F



# Administration

A

A

A

*Dr. J. H. Bar*  
*Dr. E. S. Cox*,  
*Dr. H. C.*

# From the Director

I<sub>A</sub>

I



*ra Ga,*  
48

G A E E  
G C

*a, G s c*  
50

I G A

*Jes s G G za z F ros*  
53  
C

*ar a Sa r,*  
56

C I I

*Gā r a a r r*  
59

H F

*A r r a*  
62

F C  
C



## Research Papers

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## Nomenclature

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I

A

H

B

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B

$\phi$  H

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B

C

BDC B

E E C

C

BDC B

E

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A AB

A AB

A AB

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C





Case 3:  $a^2 + b^2 = c^2$ ,  $a, b, c$  are integers  
 $a, b, c$  are coprime,  $a$  is odd,  $b$  is even,  $c$  is odd

C

C C C

Case 4:  $a^2 + b^2 = c^2$ ,  $a, b, c$  are integers  
E F F  
C

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C

C

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C



### IV. Discussion

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D

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Combined Comparison		
1	T	١١١١
1	١	١١١١
	1	١١١١
	•	١١١١
١	١	١١١١
	1	١١١١
	•	١١١١

F

A

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١١١١

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F A

I C

G

G

## V. Conclusion

I G C I  
I C G  
C H CC G  
A C G H CC  
C G G  
A C  
F  
I  
H

## References

A

A H D







H  
F

# **Relationship between Self-Esteem, Body-Esteem, and Eating Behavior**

BDC BE

\*

*F* 1. *G* D E  
B





E

E

**Limitations**

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C

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## References

# Health Information-Seeking Behaviors Among Preconceptional Women

*A , , a ca*

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## **Health Information- Seeking Behaviors among Preconceptional Women**

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## **Informal Health Information Sources**

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## **Health Information Seeking**

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E E C

CID

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**Setting and Participant Recruitment**

C  
C  
C  
H  
E  
H  
E  
DHE  
D  
I  
H  
C

D

**Protection of Human Subjects**

H  
B  
H  
H  
DHE  
A  
B  
E  
B  
F  
I  
DHE  
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I I I I I I I I  
I A I I I I I I  
I I I I I I I I I

## Mass Media Sources

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**Funding Acknowledgements**

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I r , a H a h r , A G A  
 A CA  
 F B D C G H  
 a a  
 A H a h s s a r t h 17  
 H H 104 D F  
 C I E I  
 I H I C 64  
 H a a s s a r t h 47  
 H C  
 a a  
 H a h s s a r t h 7  
 H H F E  
 a a H a h s s a r t h 15  
 H C C G A D  
 A  
 H a h s s a r t h 43  
 A H C B C  
 C  
 CDC A D C  
 G  
 C  
 55  
 D H E  
 I C  
 I H C  
 D H E  
 B F  
 D  
 D H E  
 B F  
 A D  
 F G  
 CA  
 A C A F

G D A C

*a a, Ch H\*a h J r, a 18*  
A F A H C  
D H A A

*D a\* c \* c, \* 27*

E D











## References

A C C B  
A A  
A , 46  
C B C  
S ca s th 11  
E B  
Bac S es 3  
H  
I E H E H E h a , ,  
a , a s c r as 21s a , ,  
a , a s c r s  
B  
A A  
I A B D  
C A B  
E D a s th a  
h r s c s , a s , s a ,  
a c D C  
H C  
B A r  
a , I r , a S c

# Maximizing Grasping Power and Functionality of a Prosthetic Hand through an Active Palm Roll Joint

*J s Es*

*es r h , hD*

A

E

## Summary

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## 3D Printing

B B

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B B

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## Anatomical Design

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## References

A C 4 4 ss a  
s

B G H  
H G D  
C  
A E A  
IC A IEEE  
I C IEEE

D H  
A B B H D  
C I B  
D C

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D C D C  
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I G H  
C G G

E I



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D E

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# Resilient Grandparents: An Exploration of the Expanding Role of Grandparent as Caregiver

*era Ga,*

*E , , a hD*  
A

## Summary

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AFDC

F A F

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A F



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$\eta$                     C     $D^F$      $F$   
       $\eta$

$F$                      $\eta$                     C    D  
 $F$                      $\eta$

## References

B A  
 ,a f # w s s # s 28  
 G E I D G I A  
 e a r S h a r s r a I r , a f  
 # s # a r t h # r s 19  
 I A A H  
 B D A H  
 D C I # , # 5  
 I , # r , a , a h a r a #  
 w r a c # 17  
 D H  
 H  
 a r # # # s # r s e

# Thermal Spray Coatings on Magnesium

*Thermal Spray Coatings on Magnesium*

*A, aha a r hD*

A

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## Summary

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BDCB

BDC



## References

D H  
2811484

S a\*,  
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G A B



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μ

μ



# Testing of the Hill-Type Muscle

B

H

H  
CE

B

CE H

B H

B C E<sup>2</sup>

A

## References

E C H G  
H

J B \*ha, s  
36 2 211 218 F  
C F B \*ha, s \*ha, a r r s  
f , ss s

# Fracture Patterns of South-Central Kansas and Relations to Contractional Structures of the Midcontinent Region

*A* , *a* *a* *a*

*a* *h Gra*

A

G

## Summary

C

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## Method

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G A

A B C

F C

G C

G

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F E D

B C

## Discussion

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H I

## References

B B C A ca , f r G s s B , 10

C A C F A A

G G C

F C 37 J r , a f G

A r a , Ass

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K 67260-0199

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