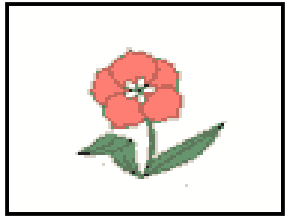




# APPLY NOMENCLATURE

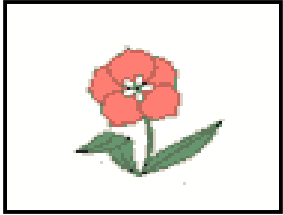


**5 SPECIES** *Unaopsis*

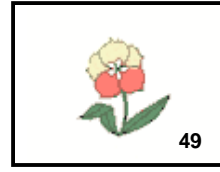
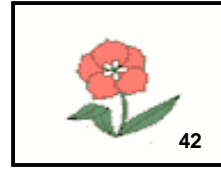
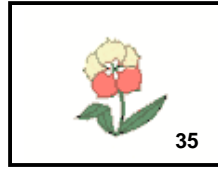
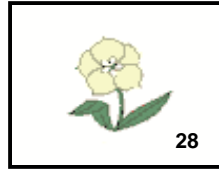
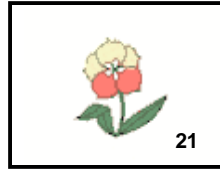
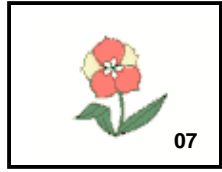
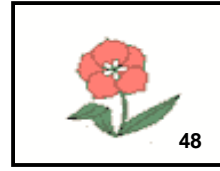
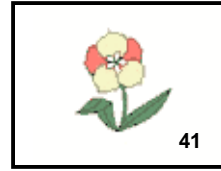
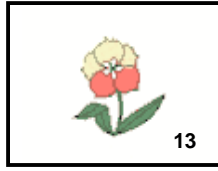
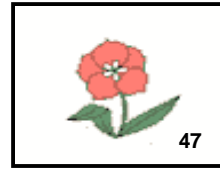
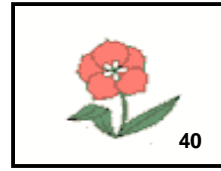
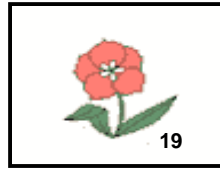
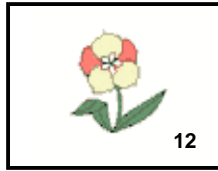
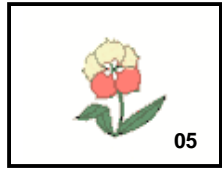
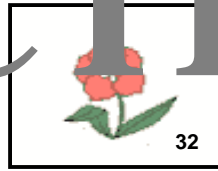
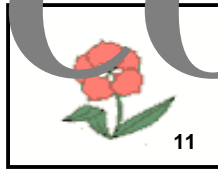
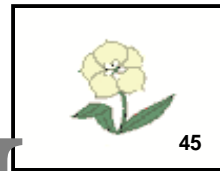
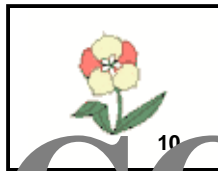
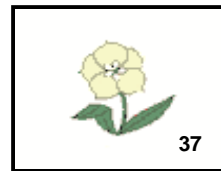
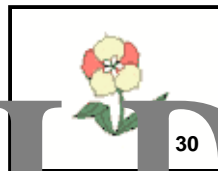
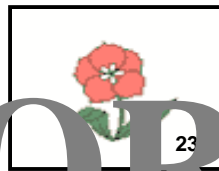
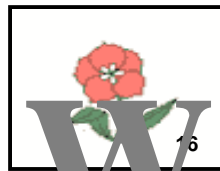
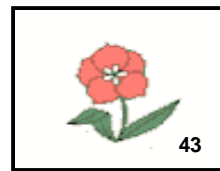
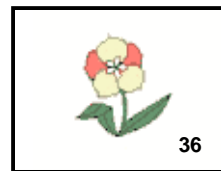
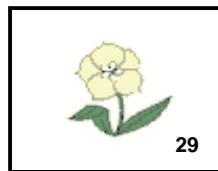
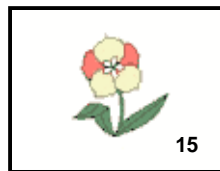
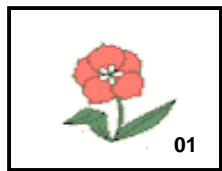


# APPLY NOMENCLATURE

## *Unaopsis*

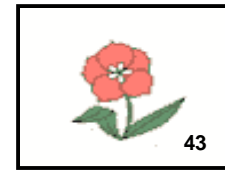
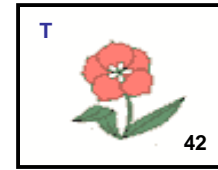
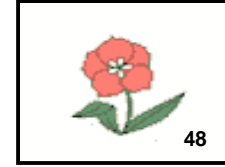
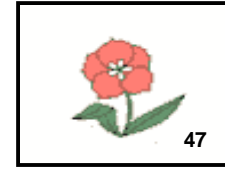
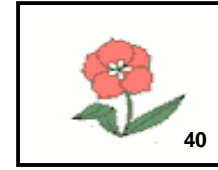
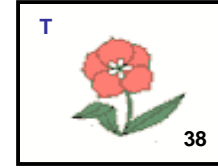
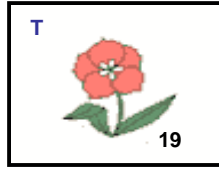
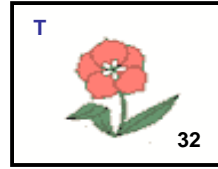
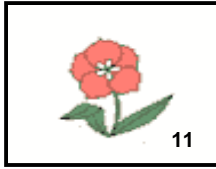
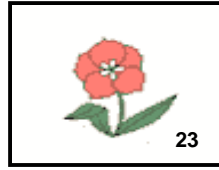
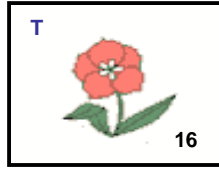
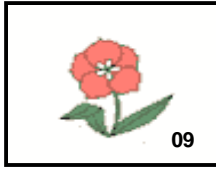
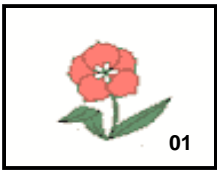


**5 SPECIES** *Unaopsis*



# WORLD COLLECTION OF

# *Unaopsis*

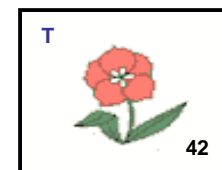
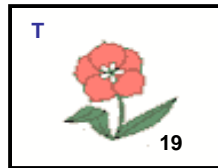
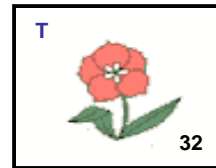
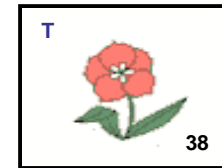
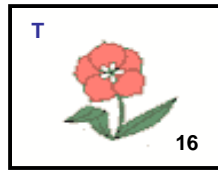


**T**

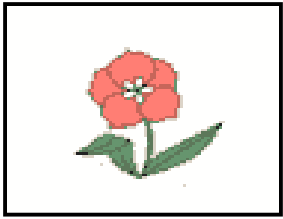
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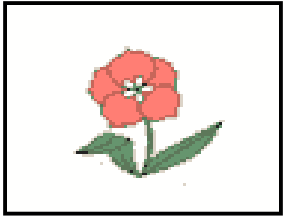




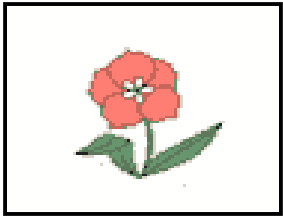
**T = TYPE SPECIMEN**



***Unaopsis beta* / Jones 205 / Paratype / Rhodora 1925**



***Unaopsis omega* / Strong 501 / Holotype / Systematic Botany 1965**



***Unaopsis beta* / Killgore 151 / Holotype / Rhodora 1925**



***Unaopsis beta* / Killgore 151 / Isotype / Rhodora 1925**



***Unaopsis beta* / Reese 800 / Paratype / Rhodora 1925**



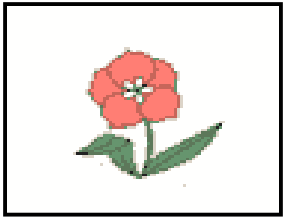
**APPLY**  
**TYPE CONCEPT**  
**RULE**  
**PRECEDENCE**



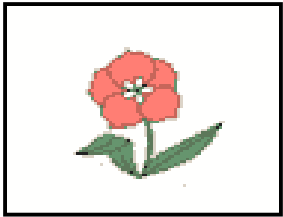
# TYPE CONCEPT PRECEDENCE

HOLOTYPE	1 <sup>ST</sup> PRECEDENCE
ISOTYPE	2 <sup>ND</sup> PRECEDENCE
PARATYPE	3 <sup>RD</sup> PRECEDENCE
LECTOTYPE	
NEOTYPE	

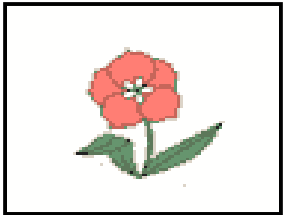
# TYPE CONCEPT PRECEDENCE



***Unaopsis beta* / Jones 205 / Paratype / Rhodora 1925**



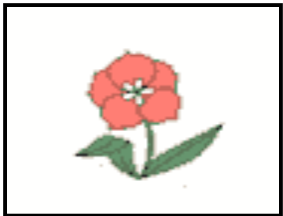
***Unaopsis omega* / Strong 501 / Holotype / Systematic Botany 1965**



***Unaopsis beta* / Killgore 151 / Holotype / Rhodora 1925**

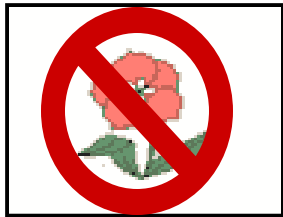


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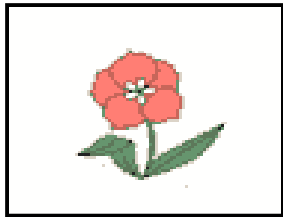
***Unaopsis beta* / Reese 800 / Paratype / Rhodora 1925**

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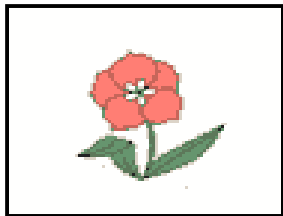


*Unaopsis beta* / Jones 205 / Paratype / Rhodora 1925

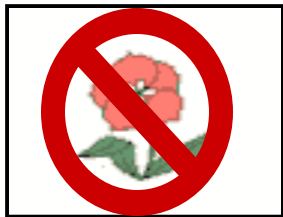
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*Unaopsis omega* / Strong 501 / Holotype / Systematic Botany 1965

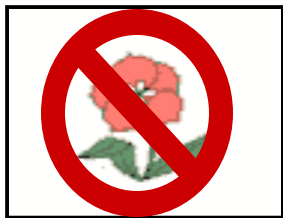


*Unaopsis beta* / Killgore 151 / Holotype / Rhodora 1925



*Unaopsis beta* / Killgore 151 / Isotype / Rhodora 1925

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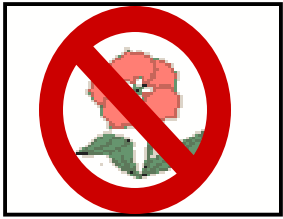


*Unaopsis beta* / Reese 800 / Paratype / Rhodora 1925

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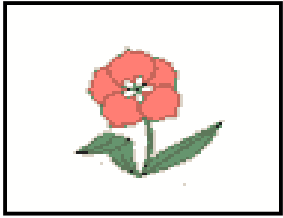


**APPLY**  
**TYPE CONCEPT**  
**RULE**  
**PRIORITY**

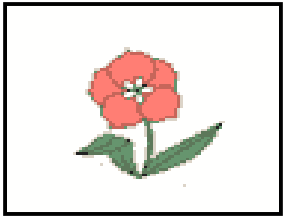


*Unaopsis beta* / Jones 205 / Paratype / Rhodora 1925

**HOLOTYPE HAS PRECEDENCE**



*Unaopsis omega* / Strong 501 / Holotype / Systematic Botany 1965



*Unaopsis beta* / Killgore 151 / Holotype / Rhodora 1925



*Unaopsis beta* / Killgore 151 / Isotype / Rhodora 1925

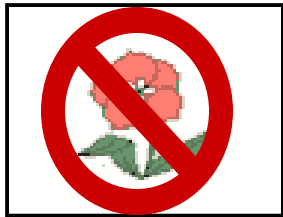
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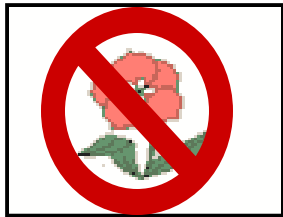
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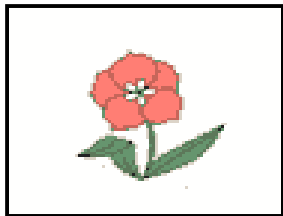
*Unaopsis beta* / Jones 205 / Paratype / Rhodora 1925

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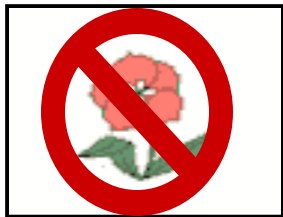


*Unaopsis omega* / Strong 501 / Holotype / Systematic Botany 1965

**REJECTED PRIORITY RULE**

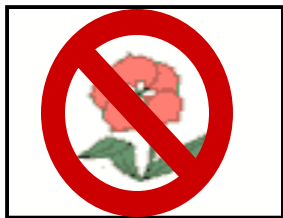


*Unaopsis beta* / Killgore 151 / Holotype / Rhodora 1925



*Unaopsis beta* / Killgore 151 / Isotype / Rhodora 1925

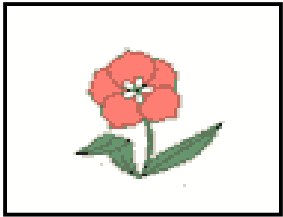
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*Unaopsis beta* / Reese 800 / Paratype / Rhodora 1925

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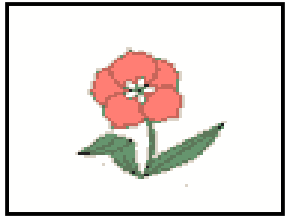
*Unaopsis beta* Killgore





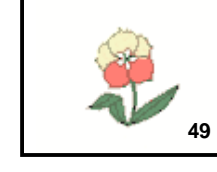
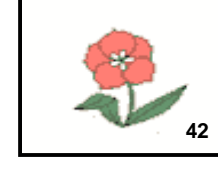
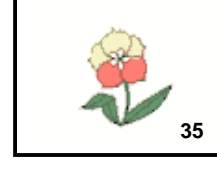
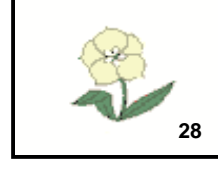
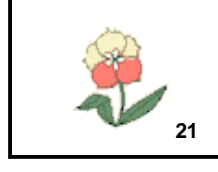
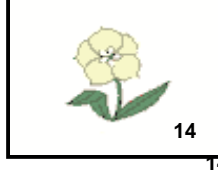
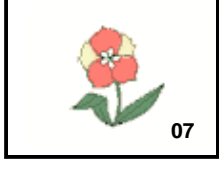
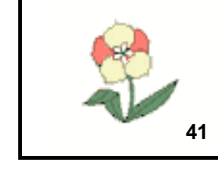
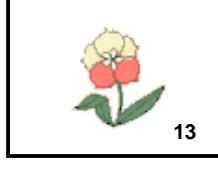
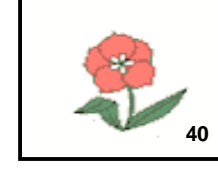
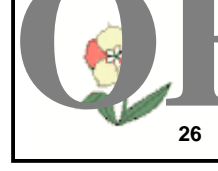
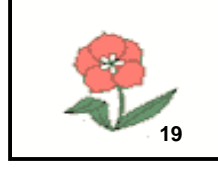
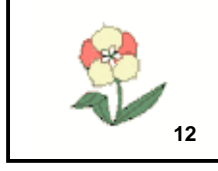
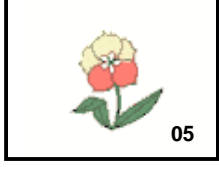
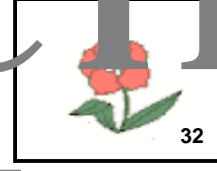
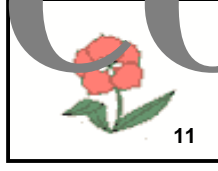
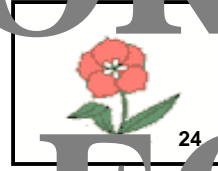
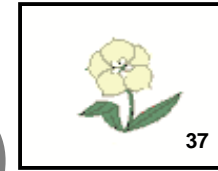
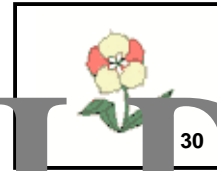
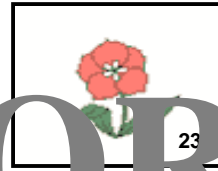
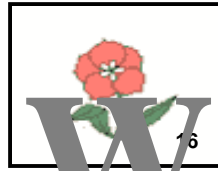
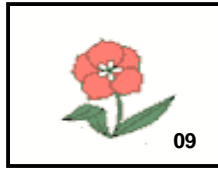
# APPLY NOMENCLATURE

## *Unaopsis*

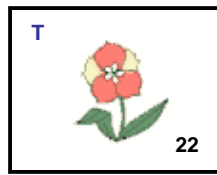


*Unaopsis beta* Killgore

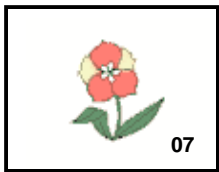
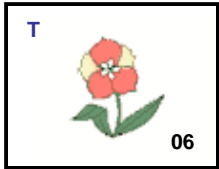
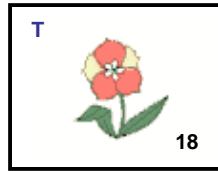
**5 SPECIES** *Unaopsis*



WORLD  
COLLECTION  
OF  
*Unaopsis*

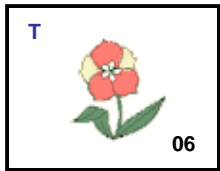
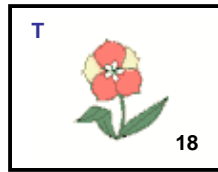
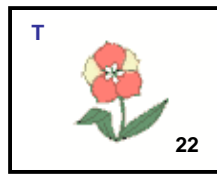


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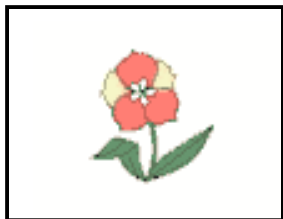


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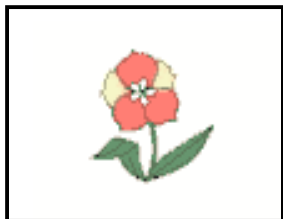
**T = TYPE SPECIMEN**



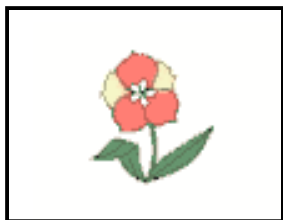
**T = TYPE SPECIMEN**



***Unaopsis gamma* / Edwards 957 / Holotype / Times Daily 1980**



***Unaopsis sigma* / Kellogg 2174 / Holotype / Systematic Botany 1998**



***Unaopsis unaopsis* / Peters 106 / Holotype / Rhodora 1990**



**APPLY**  
**TYPE CONCEPT**  
**RULE**  
**PRECEDENCE**

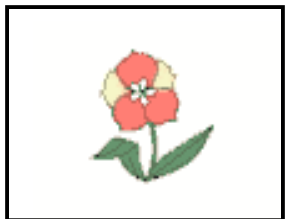




# **TYPE CONCEPT PRECEDENCE**

<b>HOLOTYPE</b>	<b>1<sup>ST</sup> PRECEDENCE</b>
<b>ISOTYPE</b>	<b>2<sup>ND</sup> PRECEDENCE</b>
<b>PARATYPE</b>	<b>3<sup>RD</sup> PRECEDENCE</b>
<b>LECTOTYPE</b>	
<b>NEOTYPE</b>	

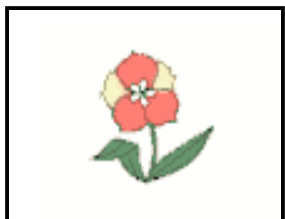
# **TYPE CONCEPT PRECEDENCE**



***Unaopsis gamma* / Edwards 957 / Holotype / Times Daily 1980**



***Unaopsis sigma* / Kellogg 2174 / Holotype / Systematic Botany 1998**



***Unaopsis unaopsis* / Peters 106 / Holotype / Rhodora 1990**



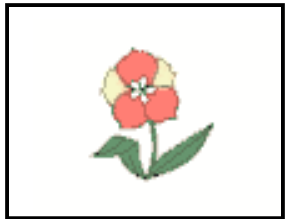
**APPLY**  
**TYPE CONCEPT**  
**RULE**  
**PRIORITY**



***Unaopsis gamma* / Edwards 957 / Holotype / Times Daily 1980**



***Unaopsis sigma* / Kellogg 2174 / Holotype / Systematic Botany 1998**



***Unaopsis unaopsis* / Peters 106 / Holotype / Rhodora 1990**



**APPLY  
TYPE CONCEPT  
RULE**

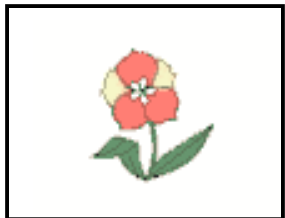
**VALIDLY PUBLISHED**



***Unaopsis gamma* / Edwards 957 / Holotype / Times Daily 1980**



***Unaopsis sigma* / Kellogg 2174 / Holotype / Systematic Botany 1998**



***Unaopsis unaopsis* / Peters 106 / Holotype / Rhodora 1990**

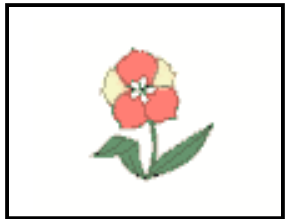


*Unaopsis gamma* / Edwards 957 / Holotype / Times Daily 1980

**REJECTED INVALIDLY PUBLISHED**



*Unaopsis sigma* / Kellogg 2174 / Holotype / Systematic Botany 1998



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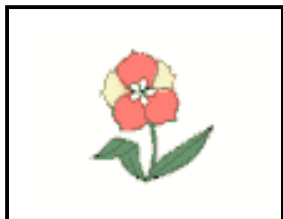
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**TYPE CONCEPT**  
**RULE**  
**PRIORITY**



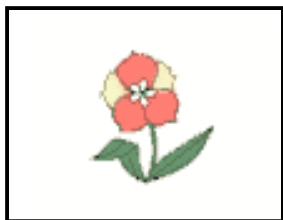


*Unaopsis gamma* / Edwards 957 / Holotype / Times Daily 1980

**REJECTED INVALIDLY PUBLISHED**



*Unaopsis sigma* / Kellogg 2174 / Holotype / Systematic Botany 1998



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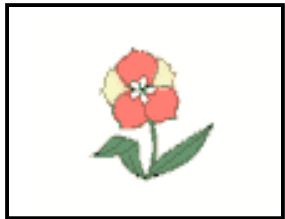


*Unaopsis gamma* / Edwards 957 / Holotype / Times Daily 1980

**REJECTED INVALIDLY PUBLISHED**



*Unaopsis sigma* / Kellogg 2174 / Holotype / Systematic Botany 1998



*Unaopsis unaopsis* / Peters 106 / Holotype / Rhodora 1990

**TAUTONYM**



*Unaopsis gamma* / Edwards 957 / Holotype / Times Daily 1980

**REJECTED INVALIDLY PUBLISHED**

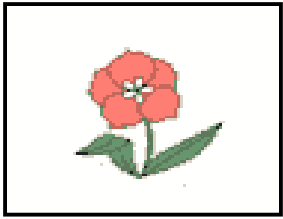


*Unaopsis sigma* / Kellogg 2174 / Holotype / Systematic Botany 1998

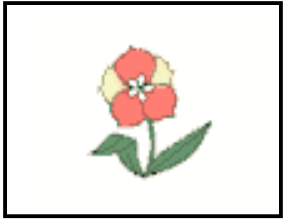


*Unaopsis unaopsis* / Peters 106 / Holotype / Rhodora 1990

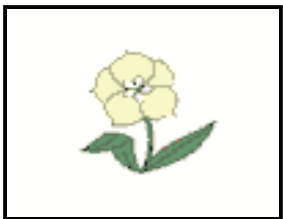
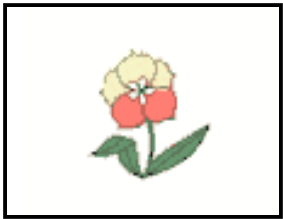
**REJECTED TAUTONYM**



*Unaopsis beta* Killgore



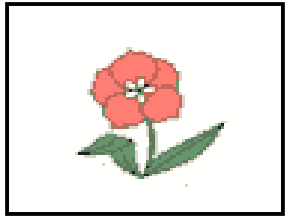
*Unaopsis sigma* Kellogg





# APPLY NOMENCLATURE

## *Unaopsis*



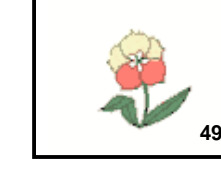
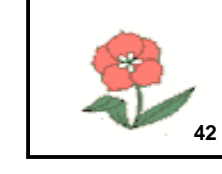
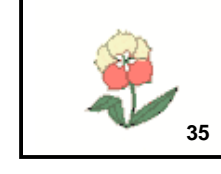
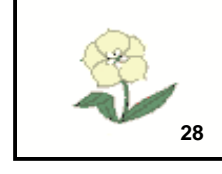
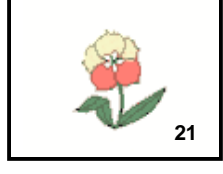
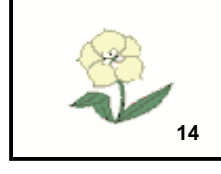
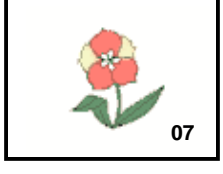
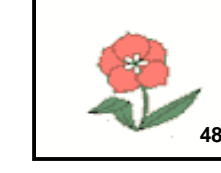
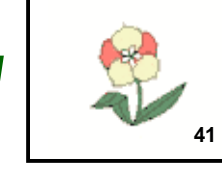
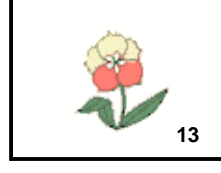
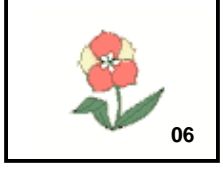
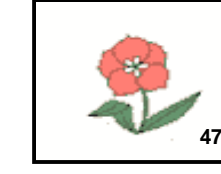
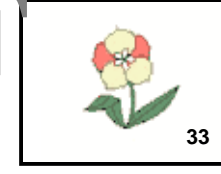
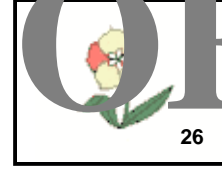
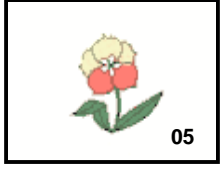
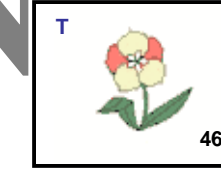
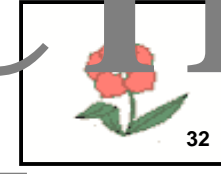
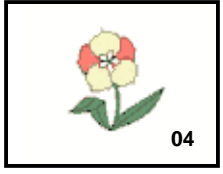
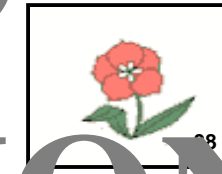
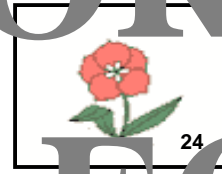
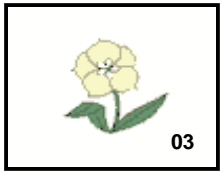
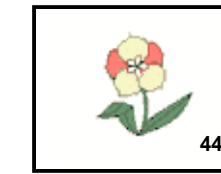
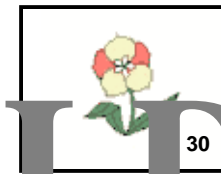
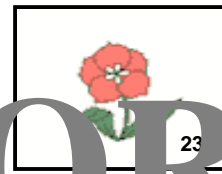
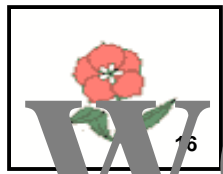
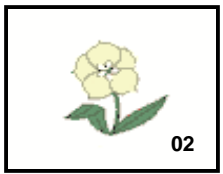
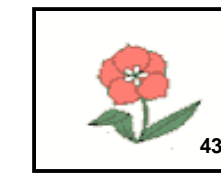
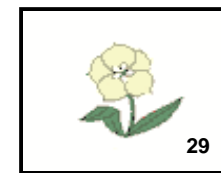
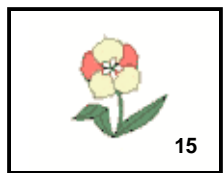
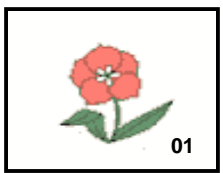
*Unaopsis beta* Killgore



*Unaopsis sigma* Kellogg



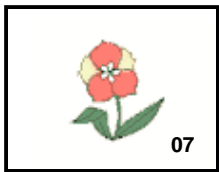
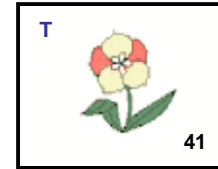
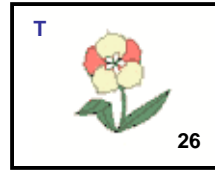
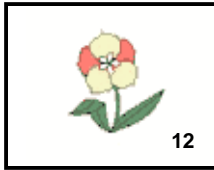
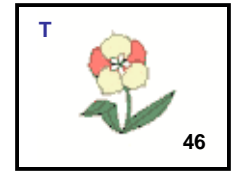
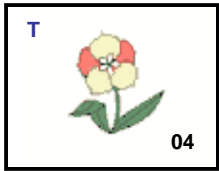
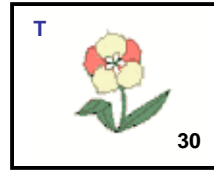
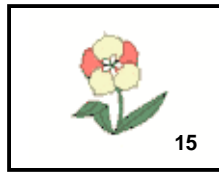
**5 SPECIES** *Unaopsis*



WORLD  
COLLECTION  
OF

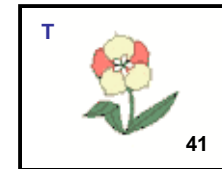
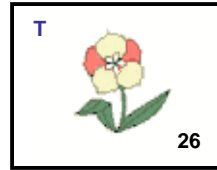
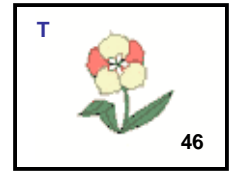
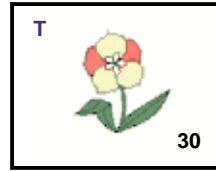
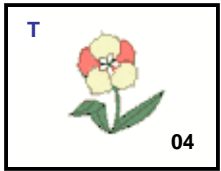
*Unaopsis*

T



**G = GENERAL SPECIMEN**

**T = TYPE SPECIMEN**



**T = TYPE SPECIMEN**





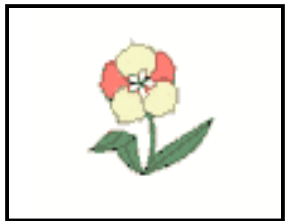
*Unaopsis kappa* / Scales 678 / Holotype / Rhodora 1945



*Unaopsis beta* / Smith 597 / Holotype / Rhodora 1930



*Unaopsis alpha* / Marks 993 / Holotype / News Week 1933



*Unaopsis theta* / Taylor 452 / Holotype / Rhodora 1950



*Unaopsis delta* / Sims 313 / Holotype / Rhodora 1940



**APPLY**  
**TYPE CONCEPT**  
**RULE**  
**PRECEDENCE**



# **TYPE CONCEPT PRECEDENCE**

<b>HOLOTYPE</b>	<b>1<sup>ST</sup> PRECEDENCE</b>
<b>ISOTYPE</b>	<b>2<sup>ND</sup> PRECEDENCE</b>
<b>PARATYPE</b>	<b>3<sup>RD</sup> PRECEDENCE</b>
<b>LECTOTYPE</b>	
<b>NEOTYPE</b>	

# **TYPE CONCEPT PRECEDENCE**



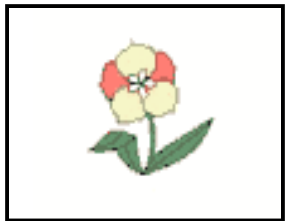
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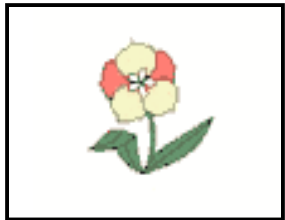
***Unaopsis beta* / Smith 597 / Holotype / Rhodora 1930**



***Unaopsis alpha* / Marks 993 / Holotype / News Week 1933**



***Unaopsis theta* / Taylor 452 / Holotype / Rhodora 1950**



***Unaopsis delta* / Sims 313 / Holotype / Rhodora 1940**



**APPLY  
TYPE CONCEPT  
RULE**

**VALIDLY PUBLISHED**



***Unaopsis kappa* / Scales 678 / Holotype / Rhodora 1945**



***Unaopsis beta* / Smith 597 / Holotype / Rhodora 1930**



***Unaopsis alpha* / Marks 993 / Holotype / News Week 1933**



***Unaopsis theta* / Taylor 452 / Holotype / Rhodora 1950**



***Unaopsis delta* / Sims 313 / Holotype / Rhodora 1940**



*Unaopsis kappa* / Scales 678 / Holotype / Rhodora 1945

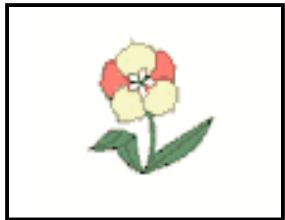


*Unaopsis beta* / Smith 597 / Holotype / Rhodora 1930



*Unaopsis alpha* / Marks 993 / Holotype / News Week 1933

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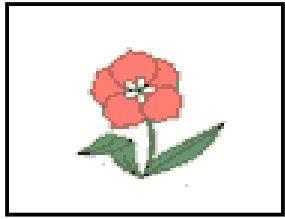


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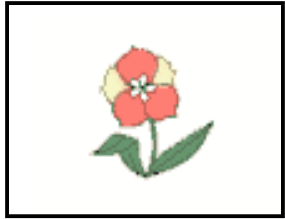


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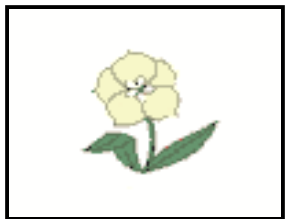
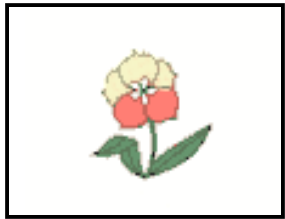




*Unaopsis beta* Killgore



*Unaopsis sigma* Kellogg







*Unaopsis kappa* / Scales 678 / Holotype / Rhodora 1945

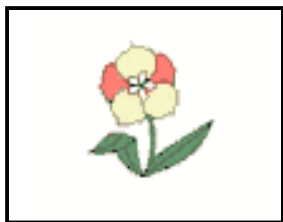


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**HOMONYM**



*Unaopsis alpha* / Marks 993 / Holotype / News Week 1933

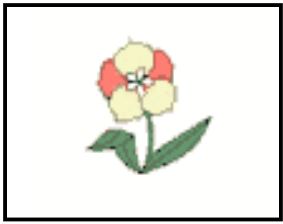
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*Unaopsis beta* / Smith 597 / Holotype / Rhodora 1930

**REJECTED HOMONYM**



*Unaopsis alpha* / Marks 993 / Holotype / News Week 1933

**REJECTED INVALIDLY PUBLISHED**



*Unaopsis theta* / Taylor 452 / Holotype / Rhodora 1950



*Unaopsis delta* / Sims 313 / Holotype / Rhodora 1940



**APPLY**  
**TYPE CONCEPT**  
**RULE**  
**PRIORITY**



*Unaopsis kappa* / Scales 678 / Holotype / Rhodora 1945



*Unaopsis beta* / Smith 597 / Holotype / Rhodora 1930

**REJECTED HOMONYM**

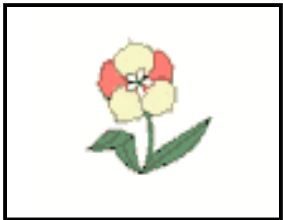


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**REJECTED INVALIDLY PUBLISHED**



*Unaopsis theta* / Taylor 452 / Holotype / Rhodora 1950



*Unaopsis delta* / Sims 313 / Holotype / Rhodora 1940



*Unaopsis kappa* / Scales 678 / Holotype / Rhodora 1945

**REJECTED PRIORITY RULE**



*Unaopsis beta* / Smith 597 / Holotype / Rhodora 1930

**REJECTED HOMONYM**



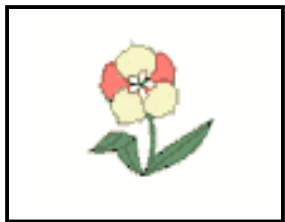
*Unaopsis alpha* / Marks 993 / Holotype / News Week 1933

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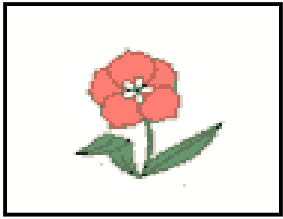


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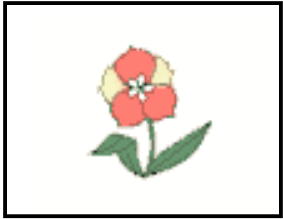
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*Unaopsis delta* / Sims 313 / Holotype / Rhodora 1940



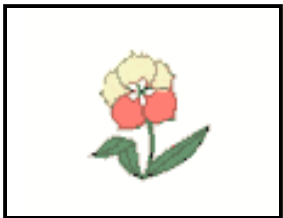
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*Unaopsis sigma* Kellogg



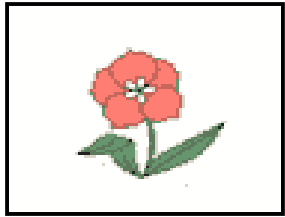
*Unaopsis delta* Sims





# APPLY NOMENCLATURE

## *Unaopsis*



*Unaopsis beta* Killgore



*Unaopsis sigma* Kellogg

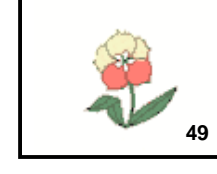
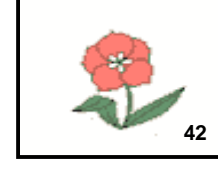
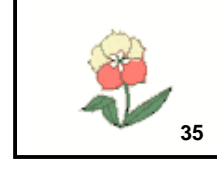
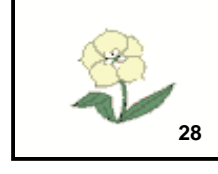
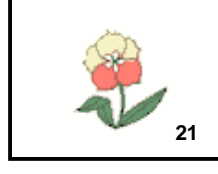
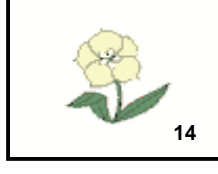
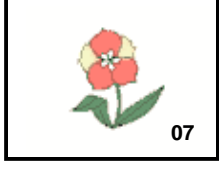
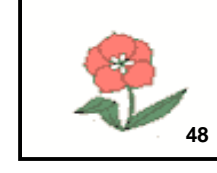
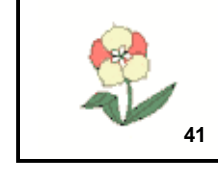
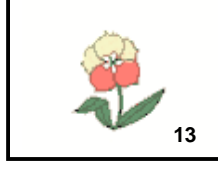
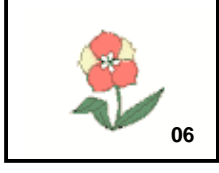
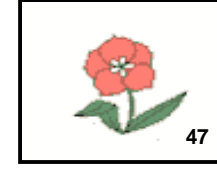
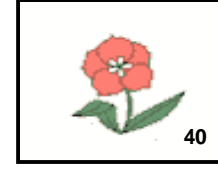
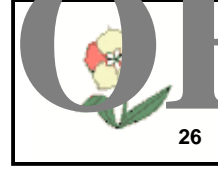
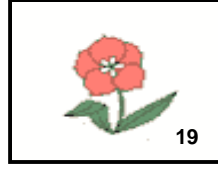
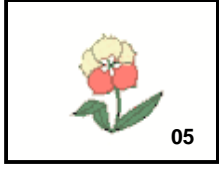
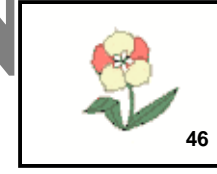
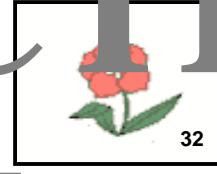
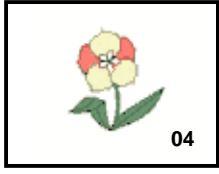
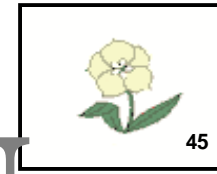
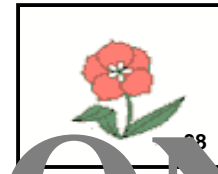
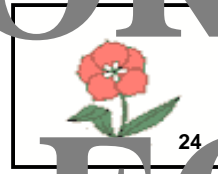
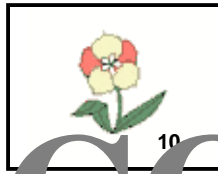
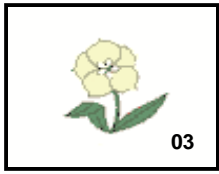
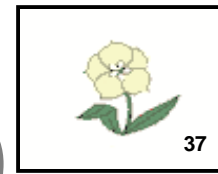
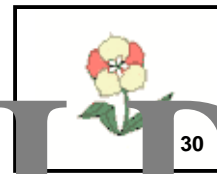
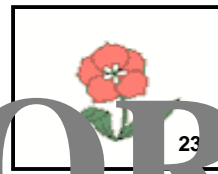
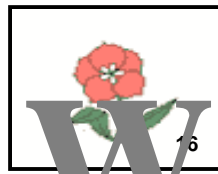
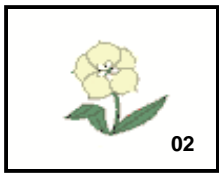
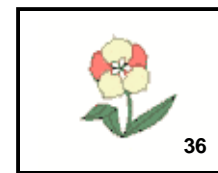
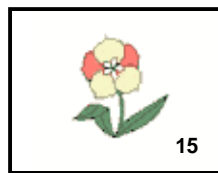
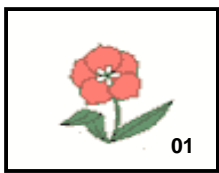


*Unaopsis delta* Sims



**5 SPECIES** *Unaopsis*



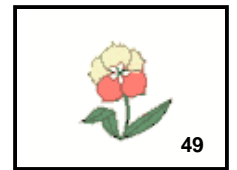
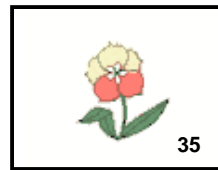
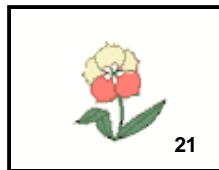
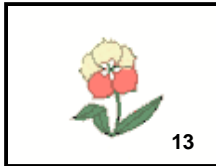
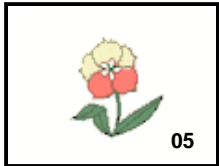


WORLD  
COLLECTION  
OF  
*Unaopsis*

T

AB

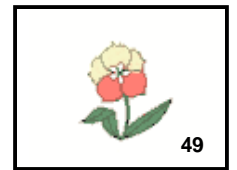
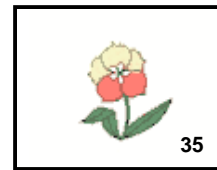
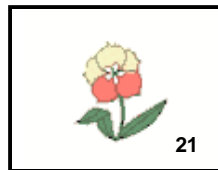
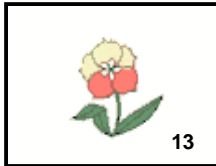
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**G = GENERAL SPECIMEN**  
**T = TYPE SPECIMEN**

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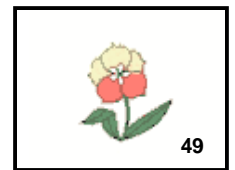
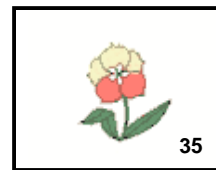
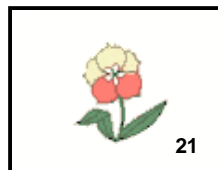
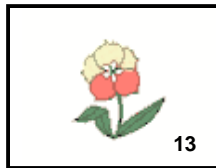
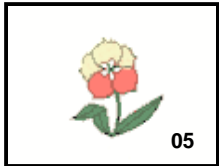
**G = GENERAL SPECIMEN**



# NEW SPECIES

## *Unaopsis*

**G = GENERAL SPECIMEN**



Unaopsis zeta Reed sp. nov.

NEW SPECIES

A *Unaopsis beta* spicis femineis angustioribus, perigyniis brevioribus et ascendentioribus, perigyniis (1.7-)1.8-2.0 plo longioribus, rostris quam corporibus acheniorum, stipitibus acheniorum, rostris Acheniorum flexis differt; a *Unaopsis delta*. Perigyniis paucioribus, laxioribus, longioribus, et (1.9-)2.1-2.6(2.8) plo longioribus, quam latioribus differt; a speciebus imbibes pedunculis spicarum terminalium longioribus differt.

**TYPE:** Harkey 10,000

**U.S.A. Alabama:** Lauderdale County, Rt. ~1.8 E of Florence  
Lau, ~1.8 miles west of Mayhew.

**Holotype:** UNAF

**Isotype:** NY; US

Unaopsis zeta Reed sp. nov.

NEW NAME

A *Unaopsis beta* spicis femineis angustioribus, perigyniis brevioribus et ascendentioribus, perigyniis (1.7-)1.8-2.0 plo longioribus, rostris quam corporibus acheniorum, stipitibus acheniorum, rostris Acheniorum flexis differt; a *Unaopsis delta*. Perigyniis paucioribus, laxioribus, longioribus, et (1.9-)2.1-2.6(2.8) plo longioribus, quam latioribus differt; a speciebus imbibes pedunculis spicarum terminalium longioribus differt.

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**Holotype:** UNAF

**Isotype:** NY; US

Unaopsis zeta Reed sp. nov.

NEW NAME

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LATIN DESCRIPTION

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**NEW NAME**

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**LATIN DESCRIPTION**

TYPE: Harkey 10,000

**DESIGNATE HOLOTYPE**

U.S.A. Alabama: Lauderdale County, Rt. ~1.8 E of Florence  
Lau, ~1.8 miles west of Mayhew.

Holotype: UNAF

Isotype: NY; US



Unaopsis zeta Reed sp. nov.

**NEW NAME**

A *Unaopsis* beta spicis femineis angustioribus, perigyniis brevioribus et ascendentioribus, perigyniis (1.7-)1.8-2.0 plo longioribus, rostris quam corporibus acheniorum, stipitibus acheniorum, rostris Acheniorum flexis differt; a *Unaopsis delta*. Perigyniis paucioribus, laxioribus, longioribus, et (1.9-)2.1-2.6(2.8) plo longioribus, quam latioribus differt; a speciebus imbibes pedunculis spicarum terminalium longioribus differt.

**LATIN DESCRIPTION**

TYPE: Harkey 10,000

**DESIGNATE HOLOTYPE**

U.S.A. Alabama: Lauderdale County, Rt. ~1.8 E of Florence  
Lau, ~1.8 miles west of Mayhew.

Holotype: UNAF

**DESIGNATE HOLOTYPE HERBARIUM**

Isotype: NY; US

Unaopsis zeta Reed sp. nov.

NEW NAME

**LEGITIMATE BINOMIAL**

quam corporibus acheniorum, stipitibus acheniorum, rostris Acheniorum flexis differt; a Unaopsis delta. Perigyniis paucioribus, laxioribus, longioribus, et (1.9-)2.1-2.6(2.8) plo longioribus, quam latioribus differt; a speciebus imbibes pedunculis spicarum terminalium longioribus differt.

LATIN DESCRIPTION

TYPE: Harkey 10,000

DESIGNATE HOLOTYPE

U.S.A. Alabama: Lauderdale County, Rt. ~1.8 E of Florence  
Lau, ~1.8 miles west of Mayhew.

Holotype: UNAF

DESIGNATE HOLOTYPE HERBARIUM

Isotype: NY; US

Unaopsis zeta Reed sp. nov.

NEW NAME

VALID BINOMIAL



quam corporibus acheniorum, stipitibus acheniorum, rostris Acheniorum flexis differt; a Unaopsis delta. Perigyniis paucioribus, laxioribus, longioribus, et (1.9-)2.1-2.6(2.8) plo longioribus, quam latioribus differt; a speciebus imbibes pedunculis spicarum terminalium longioribus differt.

LATIN DESCRIPTION

TYPE: Harkey 10,000

DESIGNATE HOLOTYPE

U.S.A. Alabama: Lauderdale County, Rt. ~1.8 E of Florence  
Lau, ~1.8 miles west of Mayhew.

Holotype: UNAF

DESIGNATE HOLOTYPE HERBARIUM

Isotype: NY; US



# RHODORA

The Journal of the  
New England Botanical Club



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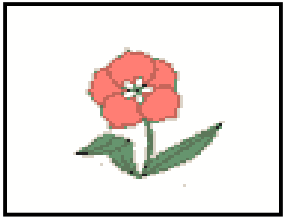
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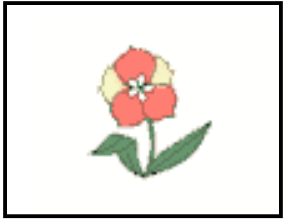
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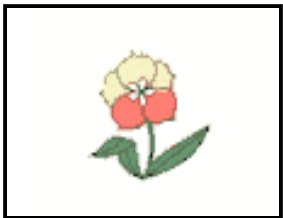
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*Unaopsis sigma* Kellogg



*Unaopsis delta* Sims



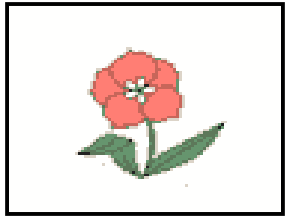
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# APPLY NOMENCLATURE

## *Unaopsis*



*Unaopsis beta* Killgore



*Unaopsis sigma* Kellogg



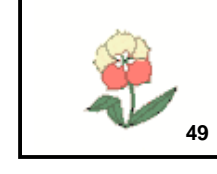
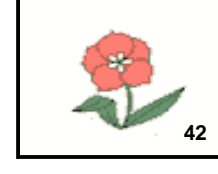
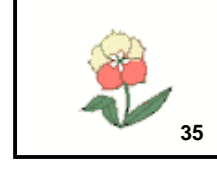
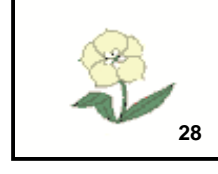
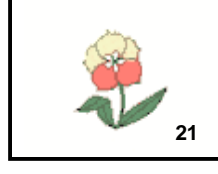
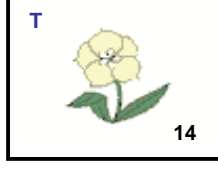
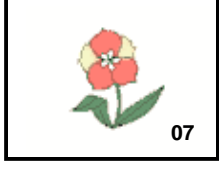
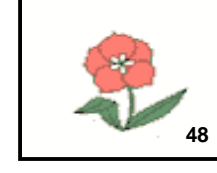
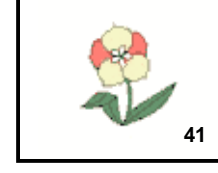
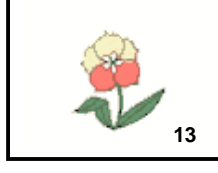
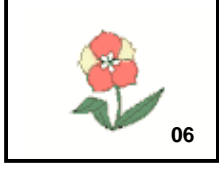
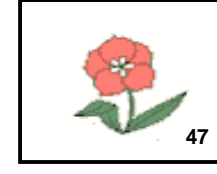
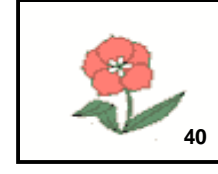
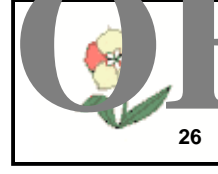
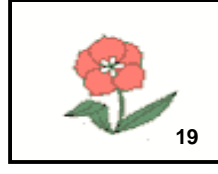
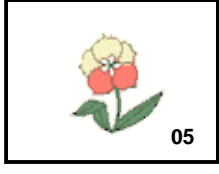
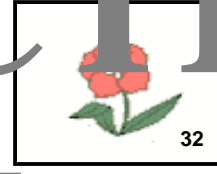
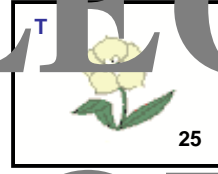
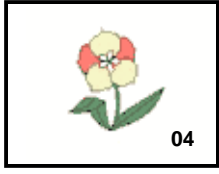
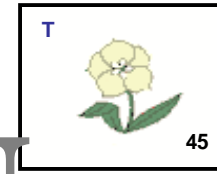
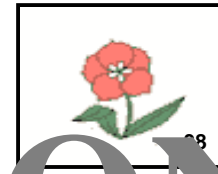
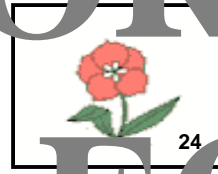
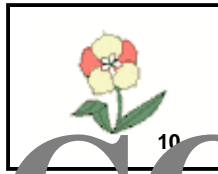
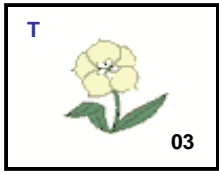
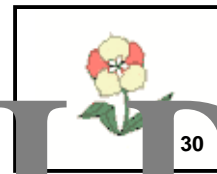
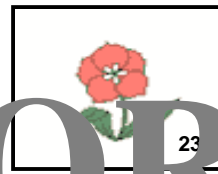
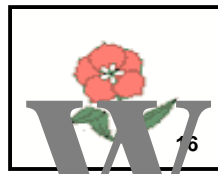
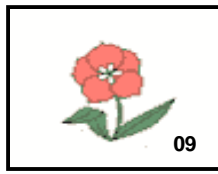
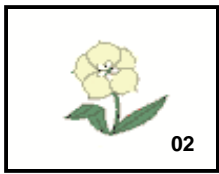
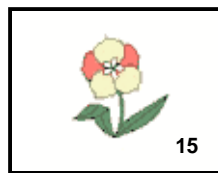
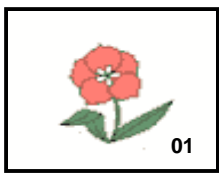
*Unaopsis delta* Sims



*Unaopsis zeta* Reed sp. nov.

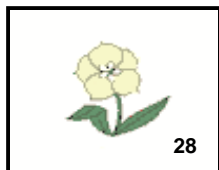
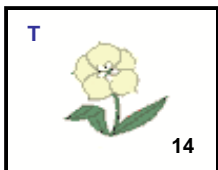
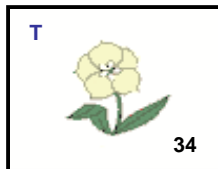
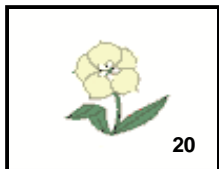
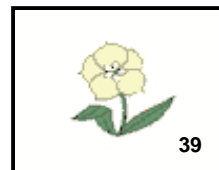
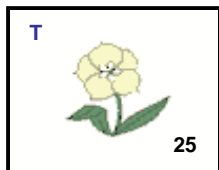
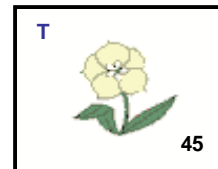
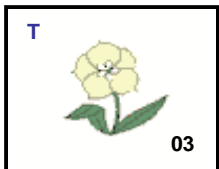


**5 SPECIES** *Unaopsis*



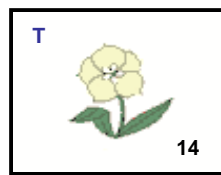
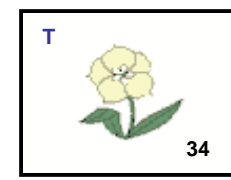
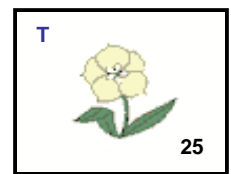
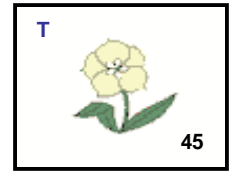
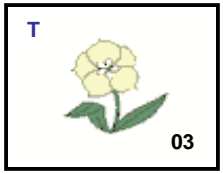
WORLD  
COLLECTION  
OF  
*Unaopsis*

**T**



**G = GENERAL SPECIMEN**  
**T = TYPE SPECIMEN**





**T = TYPE SPECIMEN**



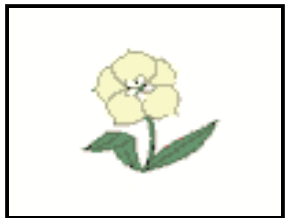
***Unaopsis epsilon* / Ford 268 / Isotype / Rhodora 1912**



***Unaopsis epsilon* / Ford 268 / Isotype / Rhodora 1912**



***Unaopsis epsilon* / Tipton 233 / Paratype / Rhodora 1912**



***Unaopsis epsilon* / James 200 / Paratype / Rhodora 1912**



***Unaopsis epsilon* / Tiden 878 / Paratype / Rhodora 1912**



**APPLY**  
**TYPE CONCEPT**  
**RULE**  
**PRECEDENCE**



# **TYPE CONCEPT PRECEDENCE**

<b>HOLOTYPE</b>	<b>1<sup>ST</sup> PRECEDENCE</b>
<b>ISOTYPE</b>	<b>2<sup>ND</sup> PRECEDENCE</b>
<b>PARATYPE</b>	<b>3<sup>RD</sup> PRECEDENCE</b>
<b>LECTOTYPE</b>	
<b>NEOTYPE</b>	

# **TYPE CONCEPT PRECEDENCE**



***Unaopsis epsilon* / Ford 268 / Isotype / Rhodora 1912**



***Unaopsis epsilon* / Ford 268 / Isotype / Rhodora 1912**



***Unaopsis epsilon* / Tipton 233 / Paratype / Rhodora 1912**



***Unaopsis epsilon* / James 200 / Paratype / Rhodora 1912**



***Unaopsis epsilon* / Tiden 878 / Paratype / Rhodora 1912**



# TYPE CONCEPT PRECEDENCE



HOLOTYPE	1 <sup>ST</sup> PRECEDENCE
ISOTYPE	2 <sup>ND</sup> PRECEDENCE
PARATYPE	3 <sup>RD</sup> PRECEDENCE
LECTOTYPE	
NEOTYPE	

# TYPE CONCEPT PRECEDENCE



***Unaopsis epsilon* / Ford 268 / Isotype / Rhodora 1912**



***Unaopsis epsilon* / Ford 268 / Isotype / Rhodora 1912**



***Unaopsis epsilon* / Tipton 233 / Paratype / Rhodora 1912**



***Unaopsis epsilon* / James 200 / Paratype / Rhodora 1912**



***Unaopsis epsilon* / Tiden 878 / Paratype / Rhodora 1912**



*Unaopsis epsilon* / Ford 268 / Isotype / Rhodora 1912



*Unaopsis epsilon* / Ford 268 / Isotype / Rhodora 1912



*Unaopsis epsilon* / Tipton 233 / Paratype / Rhodora 1912

**REJECTED ISOTYPE HAS PRECEDENCE**



*Unaopsis epsilon* / James 200 / Paratype / Rhodora 1912

**REJECTED ISOTYPE HAS PRECEDENCE**



*Unaopsis epsilon* / Tiden 878 / Paratype / Rhodora 1912

**REJECTED ISOTYPE HAS PRECEDENCE**





*Unaopsis epsilon* / Ford 268 / Isotype / Rhodora 1912

**SELECT TO SERVE AS THE TYPE**



*Unaopsis epsilon* / Ford 268 / Isotype / Rhodora 1912

**SELECT TO SERVE AS THE TYPE**



*Unaopsis epsilon* / Tipton 233 / Paratype / Rhodora 1912

**REJECTED ISOTYPE HAS PRECEDENCE**



*Unaopsis epsilon* / James 200 / Paratype / Rhodora 1912

**REJECTED ISOTYPE HAS PRECEDENCE**



*Unaopsis epsilon* / Tiden 878 / Paratype / Rhodora 1912

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*Unaopsis epsilon* / Ford 268 / Isotype / Rhodora 1912

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*Unaopsis epsilon* / Ford 268 / Isotype / Rhodora 1912

**REJECTED TO SERVE AS THE TYPE**



*Unaopsis epsilon* / Tipton 233 / Paratype / Rhodora 1912

**REJECTED ISOTYPE HAS PRECEDENCE**



*Unaopsis epsilon* / James 200 / Paratype / Rhodora 1912

**REJECTED ISOTYPE HAS PRECEDENCE**



*Unaopsis epsilon* / Tiden 878 / Paratype / Rhodora 1912

**REJECTED ISOTYPE HAS PRECEDENCE**



# TYPE CONCEPT PRECEDENCE

HOLOTYPE	1 <sup>ST</sup> PRECEDENCE
ISOTYPE	2 <sup>ND</sup> PRECEDENCE
PARATYPE	3 <sup>RD</sup> PRECEDENCE
LECTOTYPE	
NEOTYPE	

# TYPE CONCEPT PRECEDENCE

*Unaopsis epsilon* / Ford 268 / Isotype / Rhodora 1912

**LECTOTYPE**

*Unaopsis epsilon* / Ford 268 / Isotype / Rhodora 1912

**REJECTED TO SERVE AS THE TYPE**

*Unaopsis epsilon* / Tipton 233 / Paratype / Rhodora 1912

**REJECTED ISOTYPE HAS PRECEDENCE**

*Unaopsis epsilon* / James 200 / Paratype / Rhodora 1912

**REJECTED ISOTYPE HAS PRECEDENCE**

*Unaopsis epsilon* / Tiden 878 / Paratype / Rhodora 1912

**REJECTED ISOTYPE HAS PRECEDENCE**



*Unaopsis epsilon* / Ford 268 / Isotype / Rhodora 1912

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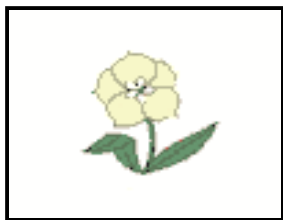


*Unaopsis epsilon* / Ford 268 / Isotype / Rhodora 1912

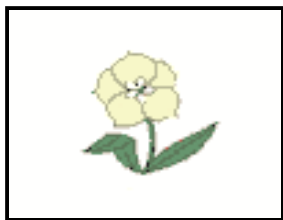
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*Unaopsis epsilon* / Tiden 878 / Paratype / Rhodora 1912

# TYPE CONCEPT PRECEDENCE



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# TYPE CONCEPT PRECEDENCE



*Unaopsis epsilon* / Ford 268 / Isotype / Rhodora 1912

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*Unaopsis epsilon* / Ford 268 / Isotype / Rhodora 1912

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**SELECT TO SERVE AS THE TYPE**



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*Unaopsis epsilon* / James 200 / Paratype / Rhodora 1912

**REJECTED TO SERVE AS THE TYPE**



*Unaopsis epsilon* / Tiden 878 / Paratype / Rhodora 1912

**REJECTED TO SERVE AS THE TYPE**





# TYPE CONCEPT PRECEDENCE

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PARATYPE	3 <sup>RD</sup> PRECEDENCE
LECTOTYPE	
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# TYPE CONCEPT PRECEDENCE



*Unaopsis epsilon* / Ford 268 / Isotype / Rhodora 1912

**MISSING / LOST TYPE SPECIMEN**



*Unaopsis epsilon* / Ford 268 / Isotype / Rhodora 1912

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*Unaopsis epsilon* / Tipton 233 / Paratype / Rhodora 1912

**LECTOTYPE**



*Unaopsis epsilon* / James 200 / Paratype / Rhodora 1912

**REJECTED TO SERVE AS THE TYPE**



*Unaopsis epsilon* / Tiden 878 / Paratype / Rhodora 1912

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*Unaopsis epsilon* / Ford 268 / Isotype / Rhodora 1912

**MISSING / LOST TYPE SPECIMEN**



*Unaopsis epsilon* / Tipton 233 / Paratype / Rhodora 1912

**MISSING / LOST TYPE SPECIMEN**



*Unaopsis epsilon* / James 200 / Paratype / Rhodora 1912

**MISSING / LOST TYPE SPECIMEN**



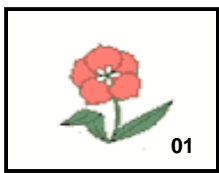
*Unaopsis epsilon* / Tiden 878 / Paratype / Rhodora 1912

**MISSING / LOST TYPE SPECIMEN**

# TYPE CONCEPT PRECEDENCE

HOLOTYPE	1 <sup>ST</sup> PRECEDENCE
ISOTYPE	2 <sup>ND</sup> PRECEDENCE
PARATYPE	3 <sup>RD</sup> PRECEDENCE
LECTOTYPE	
NEOTYPE	

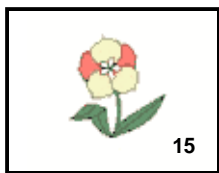
# TYPE CONCEPT PRECEDENCE



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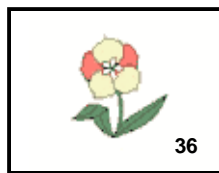
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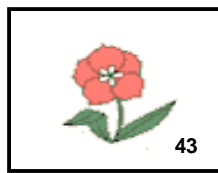
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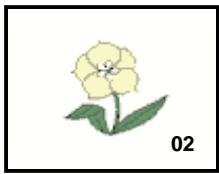
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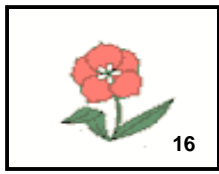
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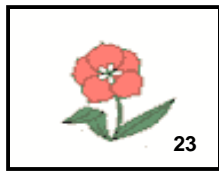
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09



16



23



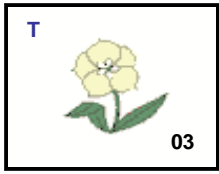
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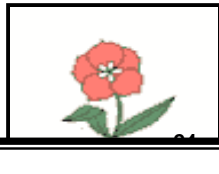
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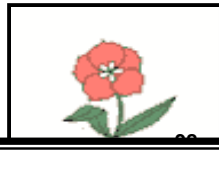
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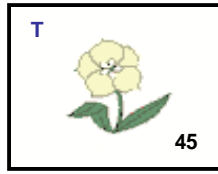
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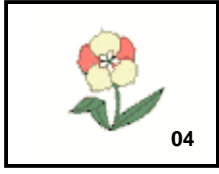
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04



11



18



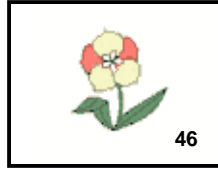
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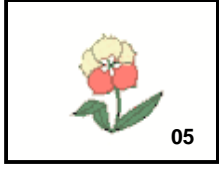
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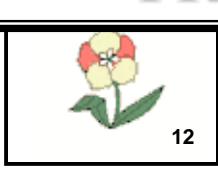
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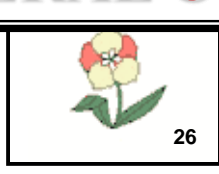
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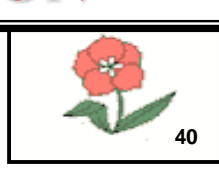
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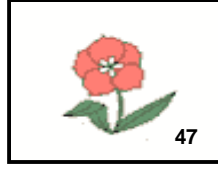
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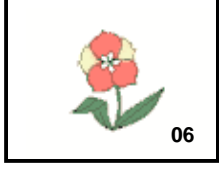
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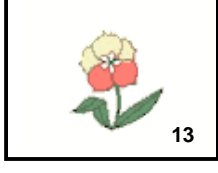
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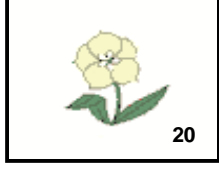
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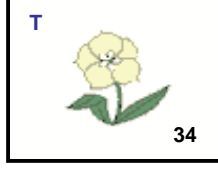
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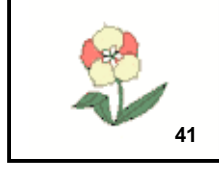
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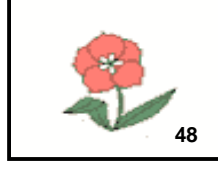
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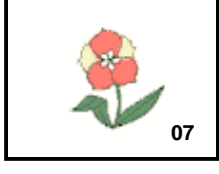
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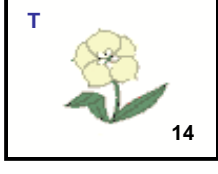
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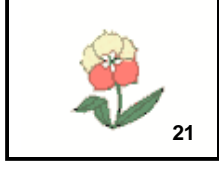
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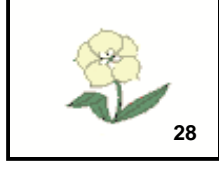
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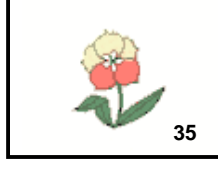
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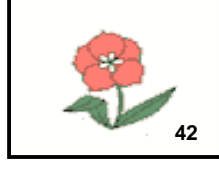
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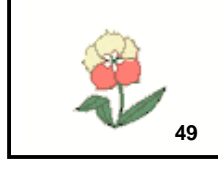
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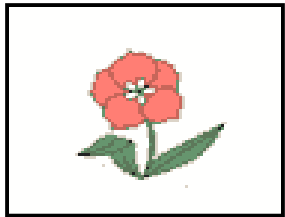
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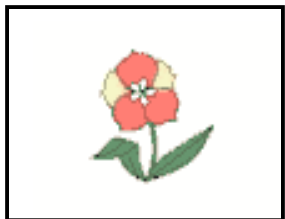
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# NEOTYPE

## FROM GENERAL COLLECTION



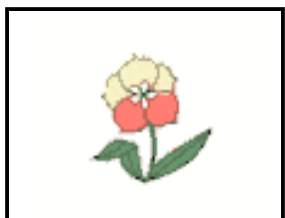
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*Unaopsis sigma* Kellogg



*Unaopsis delta* Sims



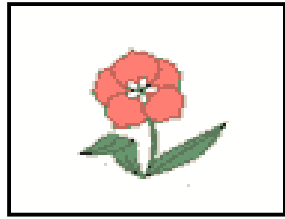
*Unaopsis zeta* Floyd sp. nov.



*Unaopsis epsilon* Ford

**MONOGRAPH  
OUTSET  
*Unaopsis*  
TEN  
RECOGNIZED  
NAMES/SPECIES**

*Unaopsis alpha*  
*Unaopsis beta*  
*Unaopsis delta*  
*Unaopsis epsilon*  
*Unaopsis gamma*  
*Unaopsis kappa*  
*Unaopsis omega*  
*Unaopsis sigma*  
*Unaopsis theta*  
*Unaopsis unaopsis*



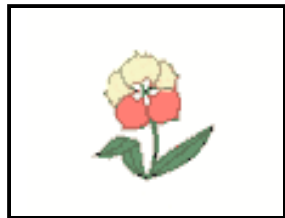
*Unaopsis beta* Killgore  
*Unaopsis omega*



*Unaopsis sigma* Kellogg  
*Unaopsis gamma*  
*Unaopsis unaopsis*



*Unaopsis delta* Sims  
*Unaopsis alpha*  
*Unaopsis kappa*  
*Unaopsis theta*



*Unaopsis zeta* Floyd sp. nov.



*Unaopsis epsilon* Ford



*Unaopsis alpha*

*Unaopsis beta*

*Unaopsis delta*

*Unaopsis epsilon*

*Unaopsis gamma*

*Unaopsis kappa*

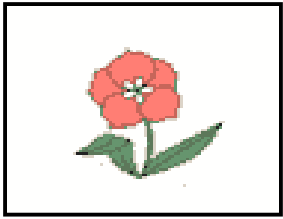
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*Unaopsis sigma*

*Unaopsis theta*

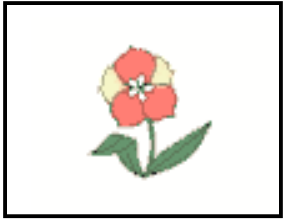
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*Unaopsis beta* Killgore  
*Unaopsis omega*

REJECTED BINOMIAL



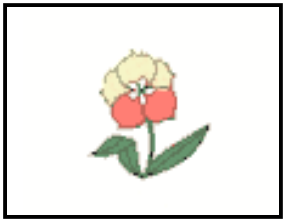
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*Unaopsis gamma*  
*Unaopsis unaopsis*

REJECTED BINOMIALS

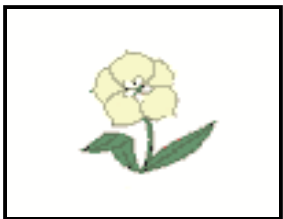


*Unaopsis delta* Sims  
*Unaopsis alpha*  
*Unaopsis kappa*  
*Unaopsis theta*

REJECTED BINOMIALS

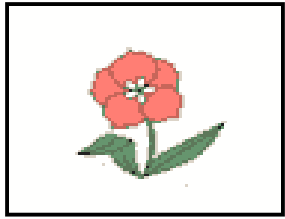


*Unaopsis zeta* Floyd sp. nov.



*Unaopsis epsilon* Ford

*Unaopsis alpha*  
*Unaopsis beta*  
*Unaopsis delta*  
*Unaopsis epsilon*  
*Unaopsis gamma*  
*Unaopsis kappa*  
*Unaopsis omega*  
*Unaopsis sigma*  
*Unaopsis theta*  
*Unaopsis unaopsis*



*Unaopsis beta* Killgore  
*Unaopsis omega*

**SYNONYM**



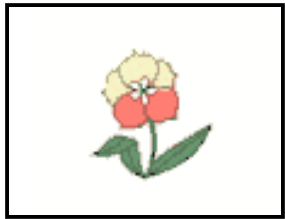
*Unaopsis sigma* Kellogg  
*Unaopsis gamma*  
*Unaopsis unaopsis*

**SYNONYMS**

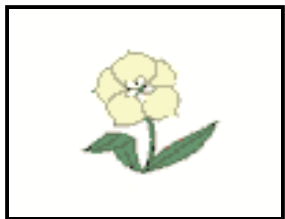


*Unaopsis delta* Sims  
*Unaopsis alpha*  
*Unaopsis kappa*  
*Unaopsis theta*

**SYNONYMS**



*Unaopsis zeta* Floyd sp. nov.



*Unaopsis epsilon* Ford

*Unaopsis alpha*  
*Unaopsis beta*  
*Unaopsis delta*  
*Unaopsis epsilon*  
*Unaopsis gamma*  
*Unaopsis kappa*  
*Unaopsis omega*  
*Unaopsis sigma*  
*Unaopsis theta*  
*Unaopsis unaopsis*





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**TAXONOMIC  
LUMBER  
VS  
TAXONOMIC  
SPLITTER**

# **TAXONOMIC LUMBER**

# TAXONOMIC LUMBER



BROAD TAXON CONCEPT

TAXONOMIC LUMBER

# TAXONOMIC LUMBER



BROAD TAXON CONCEPT

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EMPLOYS BROAD  
CHARACTER STATES

TAXONOMIC LUMBER