

SCAVENGER HUNT – FRIDAY

SPY GAMES CAMP – PSU, 2013

COMPUTER BLOCK ENCRYPTION

$p = 9320545820092439899$

common key = 112876886631444148

Plain text

tt QUACKITISWETAA

Plain number 70424491827018696

Cipher number 1989438299683372285

Cipher text HFJWGVFJOUAWUA

PLAINTEXT CLUES

Plaintext clues

Atherton's Grave: Here lies Atherton under the watchful eye of the ghost of old botany

Calorimeter: Measured foods energy more than a century ago.

Life sciences bridge: Under the glass where we arrive each day.

Millennium Science: In the garden under one thousand years.

Obelisk: This stone tower is built from many varied blocks

Palmer Museum: The two great paws rest here before the art of these days.

Pond: Quack it is wet here

Behind Old Botany: Behind the oldest academic building on campus.

Hydrant: Near the fire's bane between Chandlee and Whitmore.

CIPHERTEXT CLUES

Atherton's Grave: This was Caesar shifted by the number of red squares on a Rubik's cube.

QNaN URNB JCQN ACXW DWMN ACQN FJCL QODU NHNX OCQN PQXB CXOX UMKX CJWH.

Calorimeter: Mirror mirror on the wall, can you read this text at all

OGAY RUTN ECAN AHTE ROMY GREN ESDO OFDE RUSA EM

Life sciences bridge: Columns were transposed via the short name for feline

NREA WRER EUEH LSEW RVDT GSHE AIH

Millennium Science:

In the garden under one thousand years.

Obelisk: Autokey whose key is rock

KVKC LAWF WMCJ IKWO FLQD UZZZ FRRB KHAE GZDS TSFL D

Palmer Museum: We Vigenère'd this by my first name and lo behold did we obtain

DHVE GOXC OAKA KWJC OSKS ORVM OFFC OTYP KRKZ PTYP CEUL IS

Pond: Caesar shift the computer generated clue by 10.

AEKM USDS CGOD ROBO

Behind Old Botany: Columns were moved by the opposite of up

BNEE CMUI NPIH DAEB DOMQ EDOS AIIN CUHT LTDC LGAS

Hydrant:

Near the fire's bane between Chandlee and Whitmore.

BLACK

Start →Hydrant →Botany →Grave →Pond →Obelisk →Calorimeter →Palmer →Millennium
→Life

(1) *Start* :

Near the fire's bane between Chandlee and Whitmore.

(2) *Hydrant* : Columns were moved by the opposite of up

BNEE CMUI NPIH DAEB DOMQ EDOS AIIN CUHT LTDC LGAS

(3) *Botany* : This was Caesar shifted by the number of red squares on a Rubik's cube.

QNAN URNB JCQN ACXW DWMN ACQN FJCL QODU NHNX OCQN PQXB CXOX UMKX CJWH.

(4) *Grave* : Caesar shift the computer generated clue by 10.

AEKM USDS CGOD ROBO

(5) *Pond* : Autokey whose key is rock

KVKC LAWF WMCJ IKWO FLQD UZZZ FRRB KHAE GZDS TSFL D

(6) *Obelisk* : Mirror mirror on the wall, can you read this text at all

OGAY RUTN ECAN AHTE ROMY GREN ESDO OFDE RUSA EM

(7) *Calorimeter* : We Vigenère'd this by my first name and lo behold did we obtain

DHVE GOXC OAKA KWJC OSKS ORVM OFFC OTYP KRKZ PTYP CEUL IS

(8) *Palmer* :

In the garden under one thousand years.

(9) *Millennium* : Columns were transposed via the short name for feline

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(10) *Life* : You finished the scavenger hunt, victory is the missing autokey.

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Hydrant:

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GREEN

Start → Calorimeter → Millennium → Palmer → Botany → Hydrant → Obelisk → Pond → Grave
→ Life

- (1) *Start*: Mirror mirror on the wall, can you read this text at all

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- (2) *Calorimeter*:

In the garden under one thousand years.

- (3) *Millennium*: We Vigenère'd this by my first name and lo behold did we obtain

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- (4) *Palmer*: Columns were moved by the opposite of up

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- (5) *Botany*:

Near the fire's bane between Chandlee and Whitmore.

- (6) *Hydrant*: Autokey whose key is rock

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Hydrant:

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BLUE

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→Life

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Behind Old Botany: Columns were moved by the opposite of up

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Hydrant:

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RED

Start →Palmer →Calorimeter →Millennium →Hydrant →Botany →Pond →Obelisk →Grave
→Life

- (1) *Start* : We Vigenère'd this by my first name and lo behold did we obtain

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- (2) *Palmer* : Mirror mirror on the wall, can you read this text at all

OGAY RUTN ECAN AHTE ROMY GREN ESDO OFDE RUSA EM

- (3) *Calorimeter* :

In the garden under one thousand years.

- (4) *Millennium* :

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- (5) *Hydrant* : Columns were moved by the opposite of up

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- (6) *Botany* : Caesar shift the computer generated clue by 10.

AEKM USDS CGOD ROBO

- (7) *Pond* :Autokey whose key is rock

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- (8) *Obelisk* : This was Caesar shifted by the number of red squares on a Rubik's cube.

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